"Selectric" Typewriter

Adjustment Parts Manual

S241-5939-2

IBM "Selectric" Typewriter (7XX)
IBM "Selectric" II Typewriter (8XX)
IBM "Selectric" III Typewriter (670X)
IBM 96 "Selectric" Typewriter (9XX)

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SAFETY PRECAUTIONS

All IBM Customer Engineers are expected to take every safety precaution possible and observe the following safety practices when servicing IBM equipment.

Mechanical Safety:

1. *Safety glasses must be worn.*
2. *All safety devices, such as guards, shields, signs, ground wires, etc., must be restored after maintenance. When a guard or shield is removed to observe or make an adjustment, that shield must be replaced when work in the area is completed.*
3. *Watches, rings, necklaces, ID bracelets, etc., must be removed when servicing the machine.*
4. *Care must be used when working near moving parts. Keep hair away from moving parts. Avoid wearing loose clothing that might be caught in the machine. Shirt sleeves must be kept buttoned or rolled above the elbows. Ties must be tucked in the shirt or have a tie clasp approximately three inches from the end. Tie chains are not recommended.*

Electrical Safety:

1. *The equipment referenced in this manual may use high voltages. Check voltage labels!*
2. *Safety glasses must be worn when checking energized circuits.*
3. *If a circuit is disconnected for servicing or parts replacement, it must be reconnected and tested before allowing the use of the machine.*
4. *Power should be removed from the machine for servicing whenever possible. Remember, when checking voltages, avoid contacting ground potential, such as metal floor strips, machine frame, etc.*
5. *Meter continuity checks should be used instead of voltage checks whenever possible.*
6. *Do not apply power to any part, component, or subassembly when it is not physically mounted in the machine.*

General Safety:

1. *Each Customer Engineer is responsible to be certain no action on his/her part makes the product unsafe or exposes customer personnel to hazards.*
2. *Store the removed machine covers in a safe, out of the way place where no one can trip over them.*
3. *If you must leave the machine in a down condition, always install the covers and disconnect the power before leaving the customer's office.*
4. *Always place CE tool kit away from walk areas where no one can trip over it.*
5. *Maintain safe conditions in the area of the machine while performing and after completing maintenance.*
6. *Before starting the equipment, make sure fellow CEs and customer personnel are not in a hazardous position.*
7. *All the machine covers must be in place before the machine is returned to the customer.*

Note: *Refer to the Safety CEMs relating to this product(s) for further safety precautions.*

INTRODUCTION

This manual is written for both U.S. and World Trade usage. It contains an adjustment section, a parts manual section, and a diagnostics section for the following products:

Product Name	Identification Code	Product Code
IBM "Selectric" Typewriter	7XX	21
IBM "Selectric" II Typewriter And IBM Correcting "Selectric" II Typewriter	8XX	26
IBM "Selectric" III Typewriter And IBM Correcting "Selectric" III Typewriter	670X	27
IBM 96-Character "Selectric" Typewriter	9XX	

World Trade Note: The IBM 96-Character "Selectric" Typewriter applies only to some World Trade countries.

ADJUSTMENT SECTION

Purpose

This section provides a reference for the most commonly used adjustments. Refer to other product service publications if additional information is needed.

Adjustment Identification

The headline of each page shows the product name identification code, product code, and the name of the mechanism covered on that page. Each adjustment is indicated by a black frame number in the top left corner, followed by the adjustment name and mechanism code/reference number. If one frame covers adjustments for more than one product or product level, they are indicated by the identification code and/or the level number. The machine mode, the view of the drawing, and safety precautions are also noted when required.

Adjustment Sequence

The frame numbers indicate the sequence of adjustments. One adjustment could affect a following adjustment. Therefore, check all the following adjustments in that mechanism. A solid red bar indicates the end of the mechanism.

Red numbers on the bottom left corner of the frame indicate adjustments out of sequence that could be affected and should be checked.

Adjustment Procedure

The part to be adjusted is colored red, and a red arrow shows the direction of movement. Tolerances and/or additional information on how to perform the adjustment are shown when required.

Always use the adjustment tolerance shown in the publication with the latest date.

Call Reporting (U.S. Only)

Use the mechanism codes/reference numbers shown after the frame number and frame name for call reporting. The reference number is not always the number of the part that is colored red.

PARTS MANUAL SECTION

Introduction

This section contains parts drawings of mechanisms, reference numbers and other special information. It must be used with a separate part number/price list manual which contains reference numbers, part numbers, part descriptions and prices.

Mechanism Identification

The headline of each page shows the product name, identification code and product code covered on that page. The headline of each frame (two frames per page) shows the mechanism name and the mechanism code covered in that frame. Some frames will show a model identification code after the mechanism name. Some mechanisms require more than one frame. However, each mechanism consists of a group of parts that work together to perform a function.

Part Identification

Red numbers indicate the reference number of a part, a bill of material (B/M) or an assembly.

Red blocks within a frame indicate either one, or a combination of more than one, of the following:

- Differences between the models (7XX, 8XX, 670X, or 9XX)
- Different modes within the same model [for example: rotary backspace (RB/S) and non-rotary backspace (NRB/S)]
- Different machine sizes (7X1, 7X3, or 7X5 "Selectric" Typewriter)
- Different levels within the same model, mode, or size (level 1, level 2, etc.). (8X3 and 8X5 apply to the "Selectric" Typewriter.) (XX3 and XX5 apply to the "Selectric" Typewriter and "Selectric" II Typewriter.)
- Field replacement parts
- Bill of material (B/M) or assemblies (shown with a description – parts shown in the drawing)
- World Trade applications or differences

If different levels exist, which can be used for all models, modes or sizes, only the newest level is shown in the drawing. However, the part number/price list manual will show all level parts.

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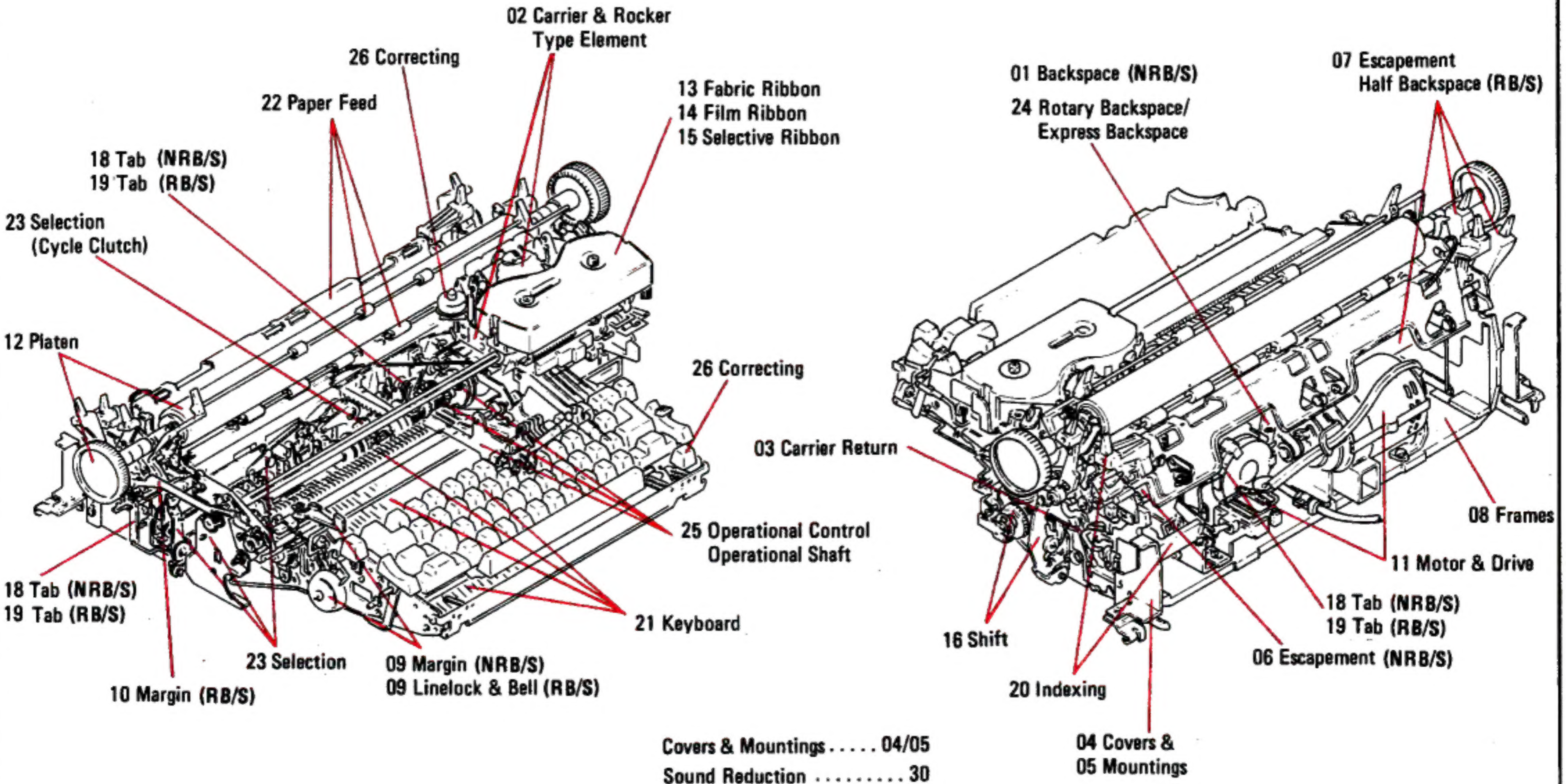
Mechanism Locator



Covers & Mountings	04/05
Sound Reduction	30
Special Features	39 Thru 51
Packing Parts & Inst.	65

IBM "SELECTRIC" TYPEWRITER
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(Alphabetical)

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***These charts are printed in the Part Number/Price List (P/N 241-5103).**

(Introduction Continued From Page 1)

Some parts are shown for assembly purposes only and do not show a reference number. Replace these parts by ordering either the assembly or a later level part.

Parts Ordering
Locate the mechanism in which the part functions by using the contents page. Note the mechanism code, find the part in the drawing, and note the reference number. Use this mechanism code/reference number to locate the part number and price in the part number/price list manual.

World Trade should use the country's procedures to find the prices.

Features and devices (MESs) or specification changes (SERs) desired by the customer must be ordered through CE management and Branch Office sales.

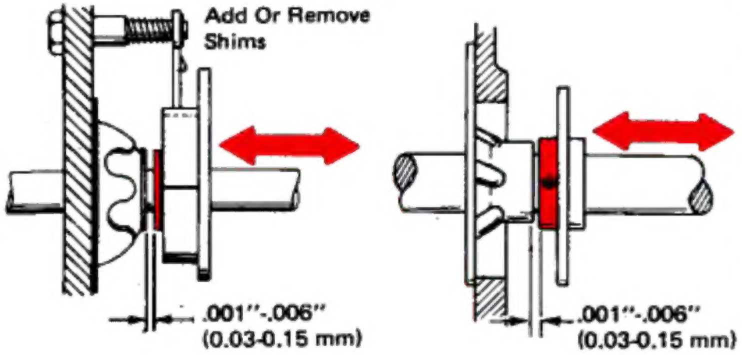
Replacement parts for features, devices and SERs not shown in the parts manual must also be ordered through CE management and Branch Office sales.

COMMON ABBREVIATIONS

The following list is provided as a reference for some of the common abbreviations used in this manual. It should be noted that some of these are new since the last revision.

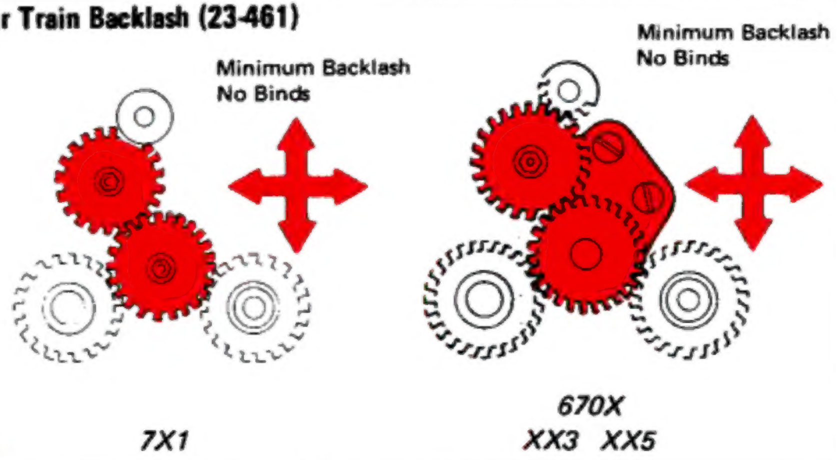
APM	**Adjustment Parts Manual**
ASM	**Assembly**
AVC	**Automatic Velocity Control**
B/M	**Bill Of Material**
CC	**Cycle Clutch**
CR	**Carriage Return**
CSI	**Combined Service Information**
DI	**Dual Impression**
DP	**Dual Pitch**
ECC OT	**Eccentric Index Overthrow Stop**
FI	**Field Installable**
FTB	**Floating Torque Bar**
g	**Grams**
mm	**Millimeters**
NRB/S	**Non-Rotary Backspace**
PN/PL	**Part Number/Price List**
Pre-DI	**Pre-Dual Impression**
Pre-FTB	**Pre-Floating Torque Bar**
RB/S	**Rotary Backspace**
SB	**Spacebar**
SER	**Special Engineering Request**
SHP	**Shop Manual 241-6670**
SP	**Single Pitch**
TII	**Technical Information Index**
TYP	**Type Catalog 241-5687**
UBS	**Upper Ball Socket**
W.T.	**World Trade**

1 Cycle Shaft End Play (23-421)



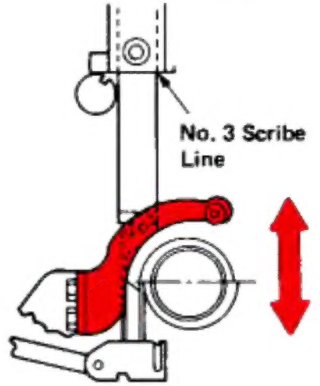
(Level 1) *(Levels 2 & 3)*

2 Gear Train Backlash (23-461)



13, 83 7X1 670X XX3 XX5

3 Cycle Clutch Latch Bracket (21-532)



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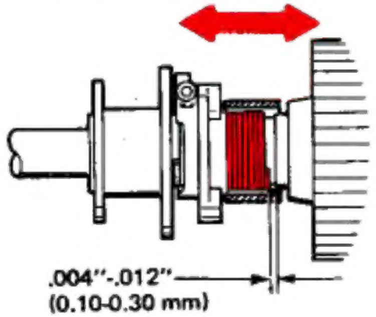
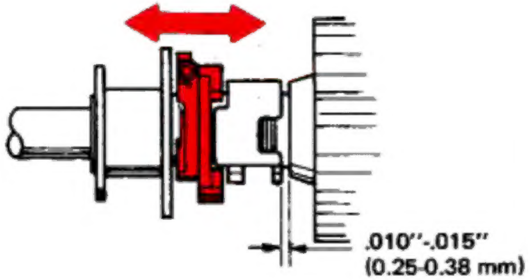
4 Cycle Clutch Spring (23-404)

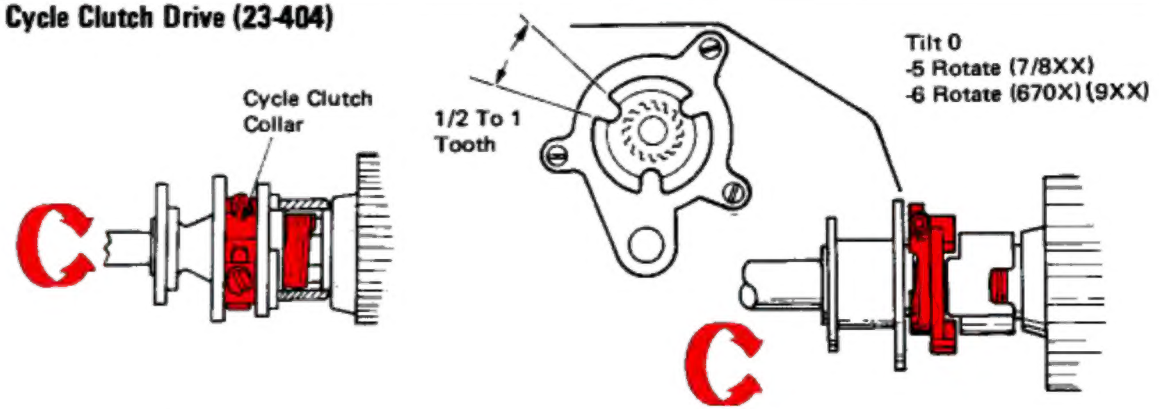


Longer Lug Of Spring To The Left

5 Cycle Clutch Sleeve End Play (23-409)

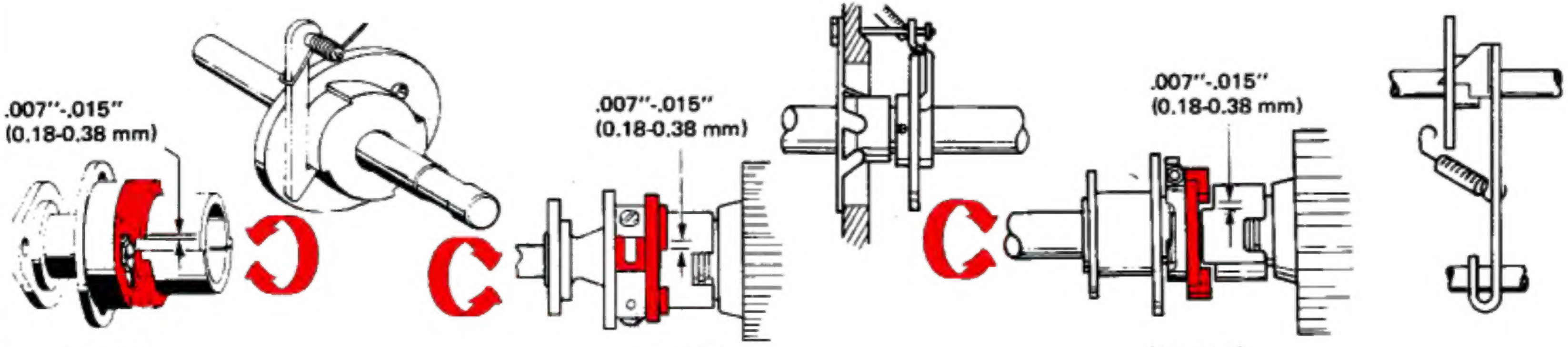


6 Cycle Clutch Drive (23-404)



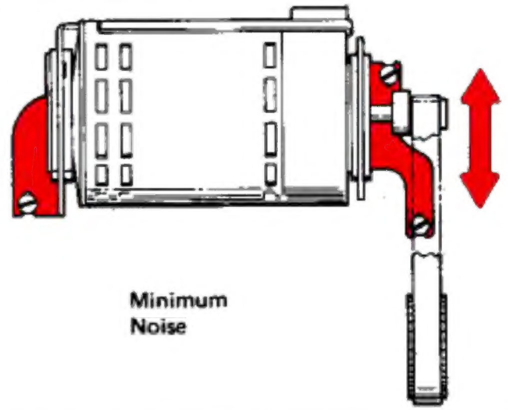
13 *(Levels 1 & 2)* *(Level 3)*

7 Cycle Clutch Overthrow (23-412)

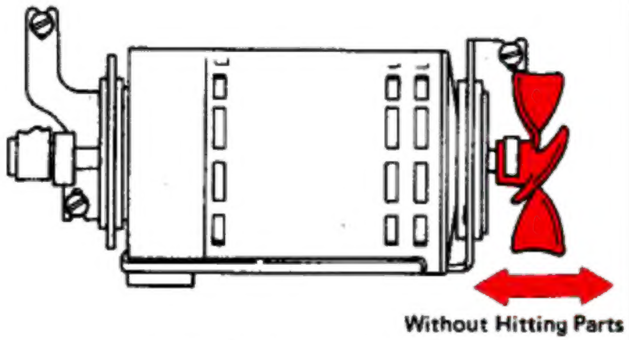


13 *(Level 1)* *(Level 2)* *(Level 3)*

8 Drive Belt (11-68)

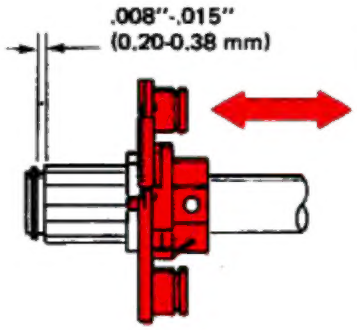


9 Motor Fan (11-400)



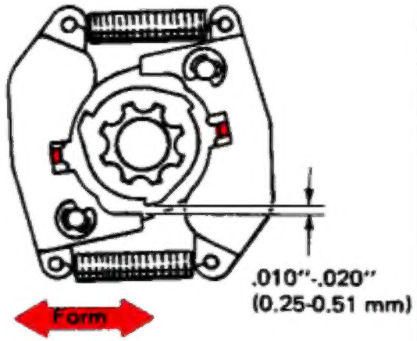
(Top View) *(U.S. Only)*

10 Motor Pulley (11-48)



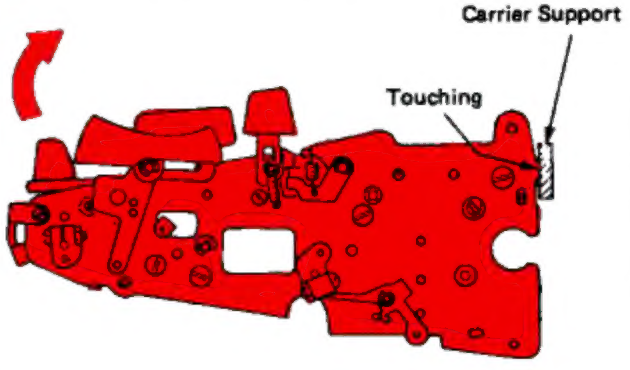
(Rear View)

11 Motor Clutch Pawl Stops (11-43)

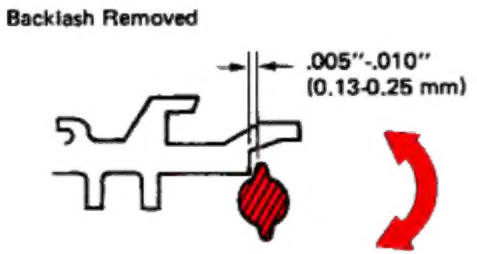


(Metal Hub Only)

12 Keyboard Position (21-100)

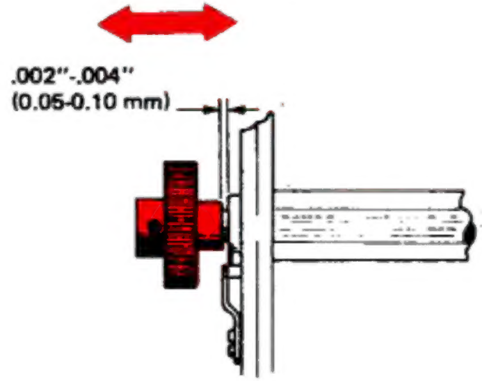


13 Filter Shaft (21-114)

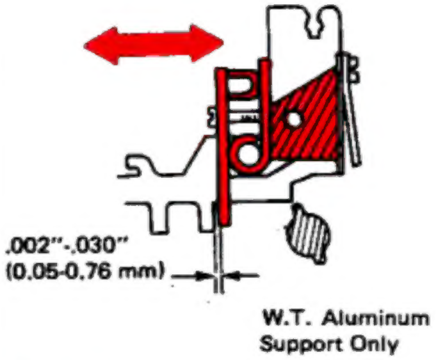


40, 108, 145, 232

14 Filter Shaft End Play (21-121)

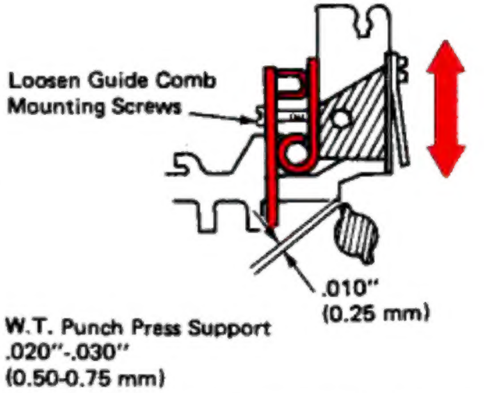


15 Rear Bearing Support (21-06)

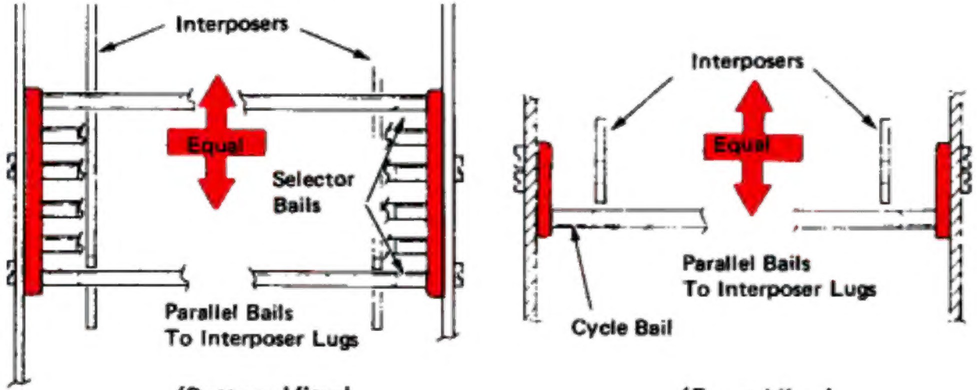


21, 22, 23

16 Rear Interposer Guide Comb (21-29)



17 Bail Mounting Plate (21-303)



(Bottom View) *(Front View)*

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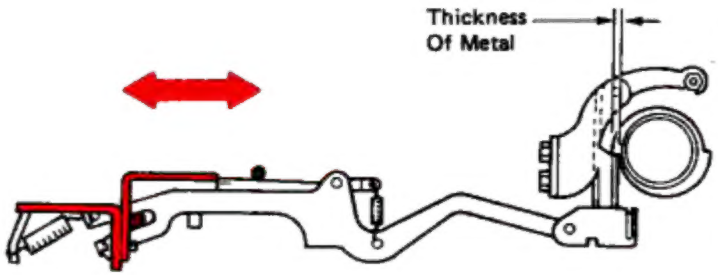
18 Keeper Bracket (21-204)



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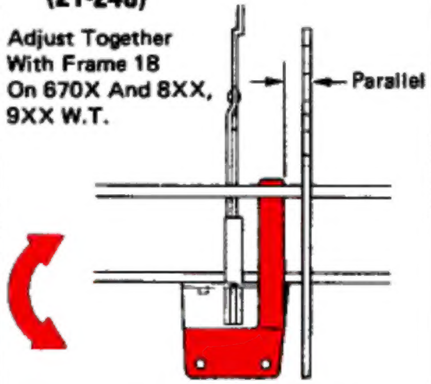
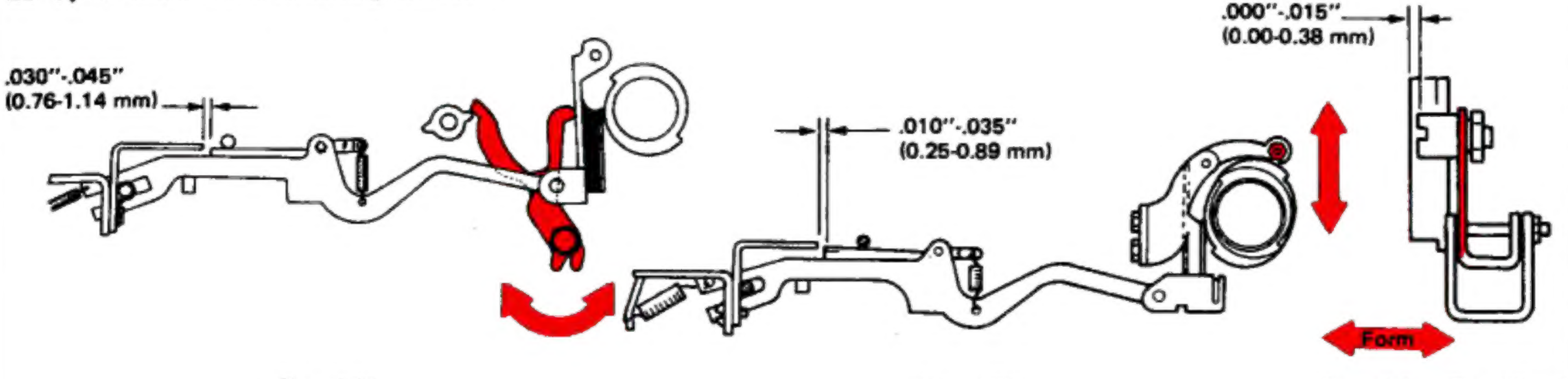
19 Cycle Bail Damper Spring (21-240)

Adjust Together
With Frame 18
On 670X And 8XX,
9XX W.T.

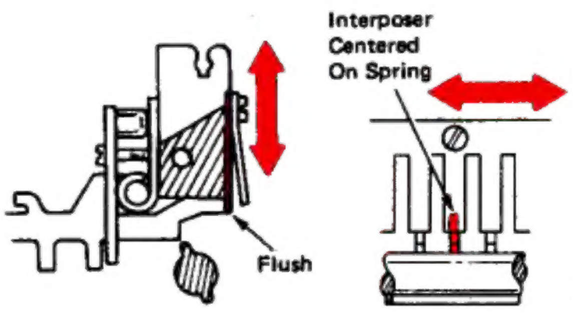


20 Cycle Clutch Latch Restoring (21-206)



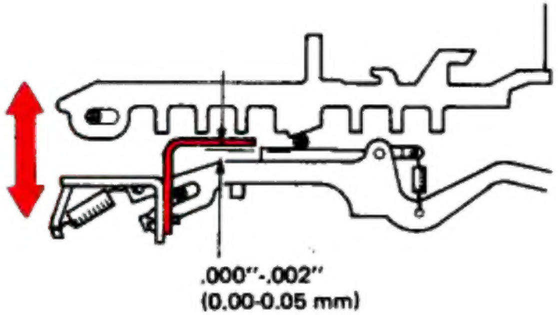
(Level 1) *(Level 2)* *(Level 2 – Top View)*

21 Interposer Latch Springs (21-4)

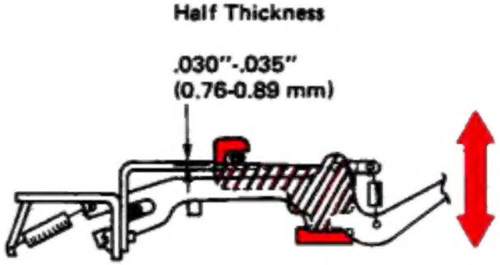


26, 27

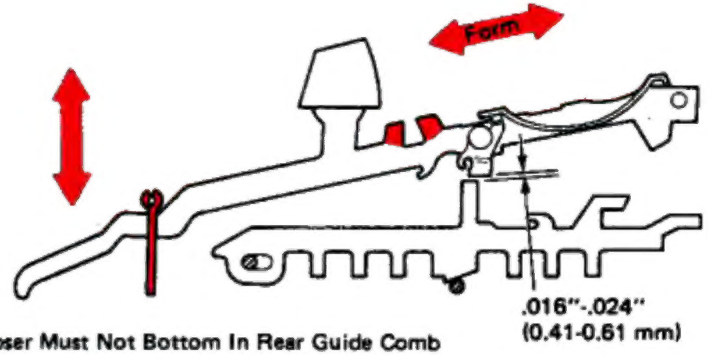
22 Cycle Clutch Keeper (21-205)



23 Cycle Bail Upstop (21-208)



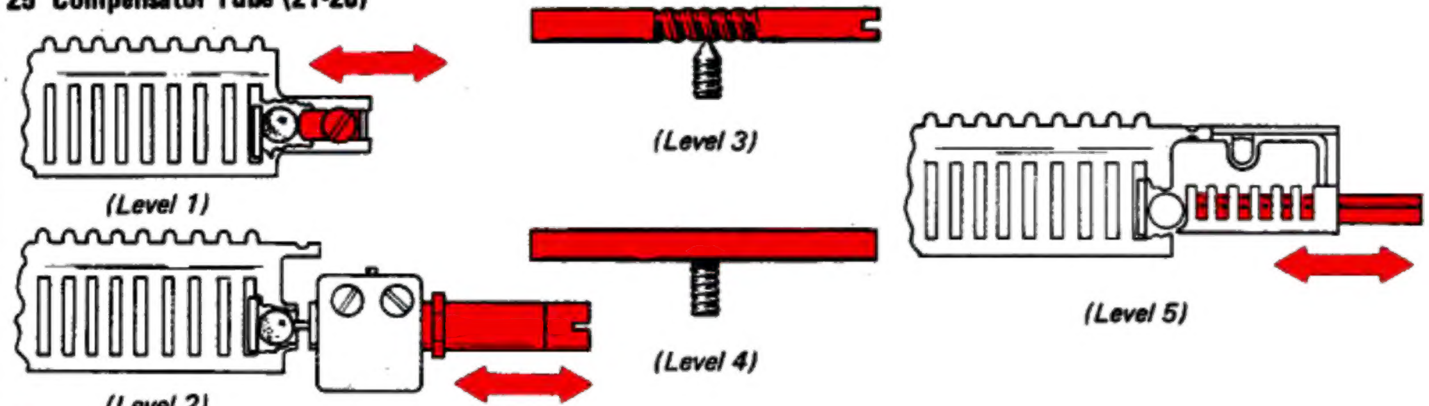
24 Front Keylever Guide Comb (21-132)



Interposer Must Not Bottom In Rear Guide Comb

37, 127, 128, 186, 196

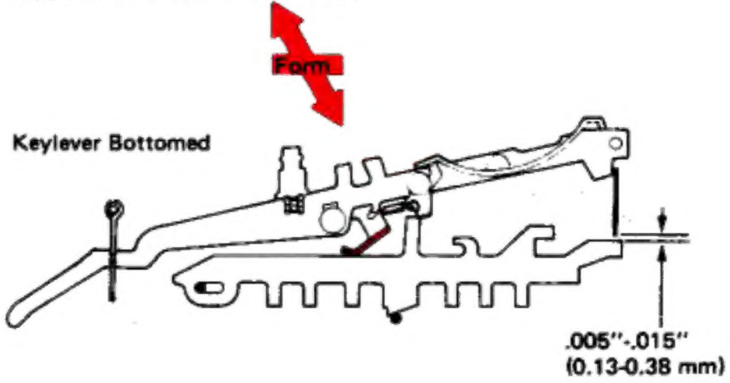
25 Compensator Tube (21-28)



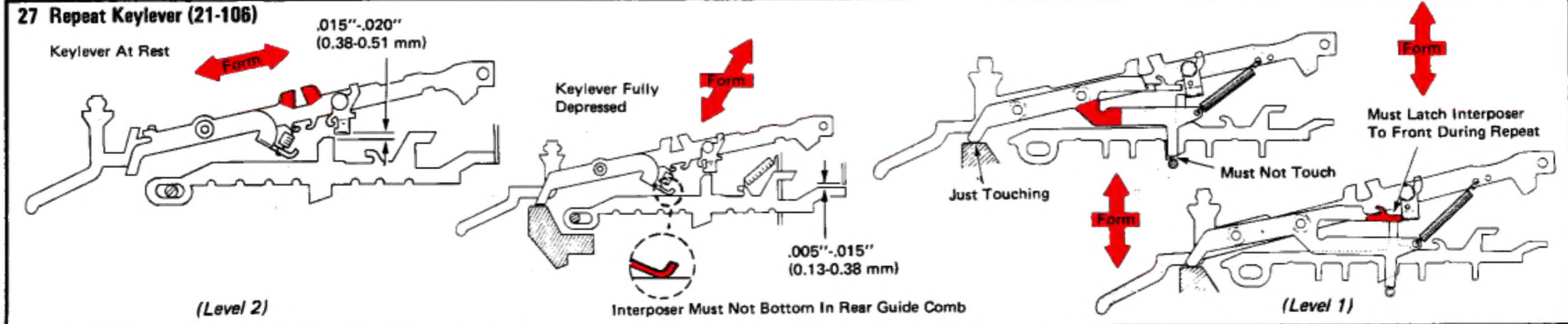
(Level 1) *(Level 2)* *(Level 3)* *(Level 4)* *(Level 5)*

16

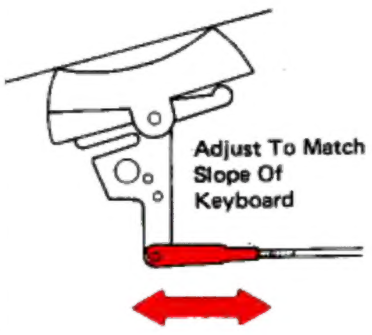
26 Typamatic Keylever (21-109)



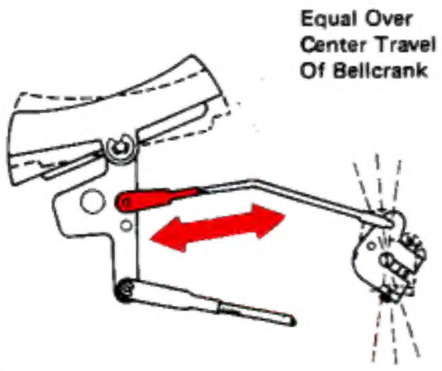
27 Repeat Keylever (21-106)



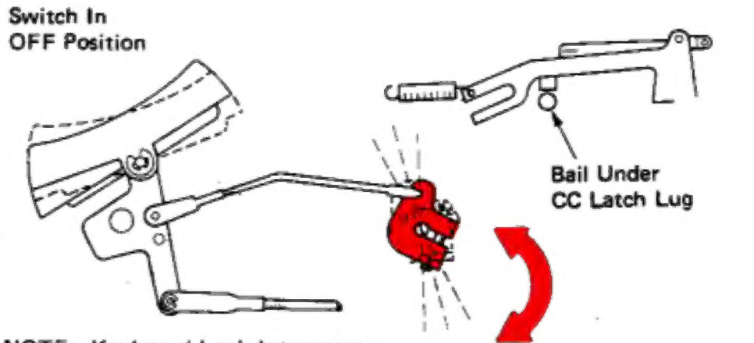
28 Switch Link (21-709)



29 Lockout Bail Link (21-546)

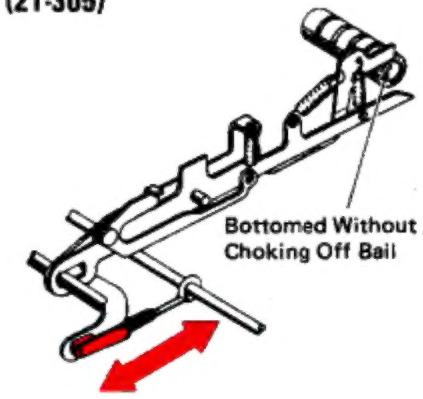


30 Lockout Bail Bellcrank (21-553)

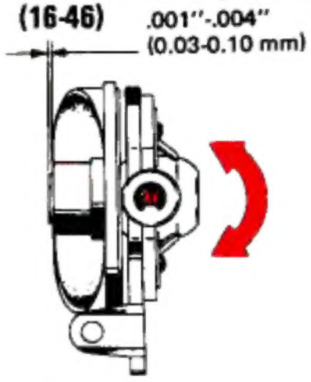


NOTE: Keyboard Lock Interposer Clears Compensator Tube With Switch In ON Position

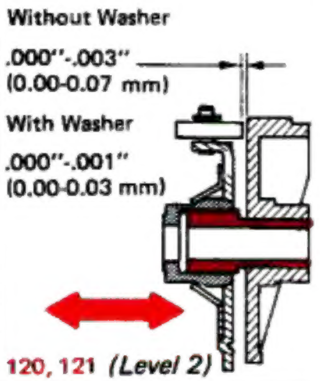
31 Keyboard Lock Bellcrank Link (21-305)



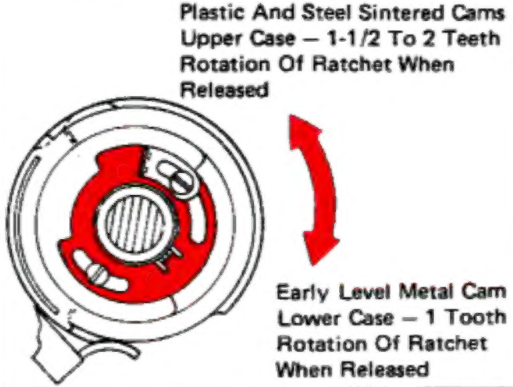
32 Shift Cam Backup Roller (16-46)



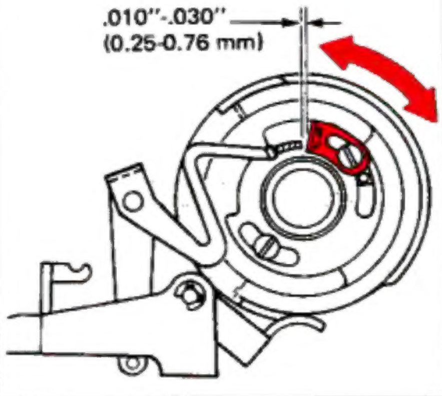
33 Shift Cam Bearing (16-112)



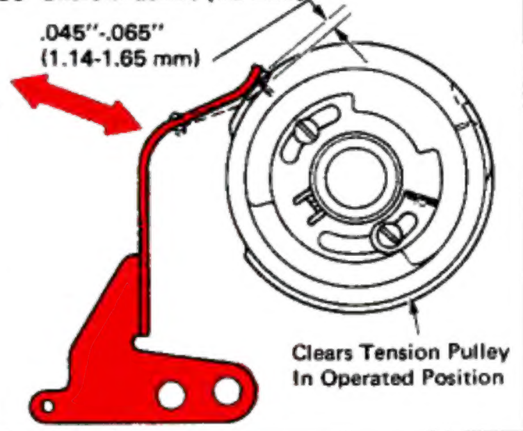
34 Shift Spring Clutch Retaining Plate (16-55)


Plastic And Steel Sintered Cams Upper Case – 1-1/2 To 2 Teeth Rotation Of Ratchet When Released
Early Level Metal Cam Lower Case – 1 Tooth Rotation Of Ratchet When Released

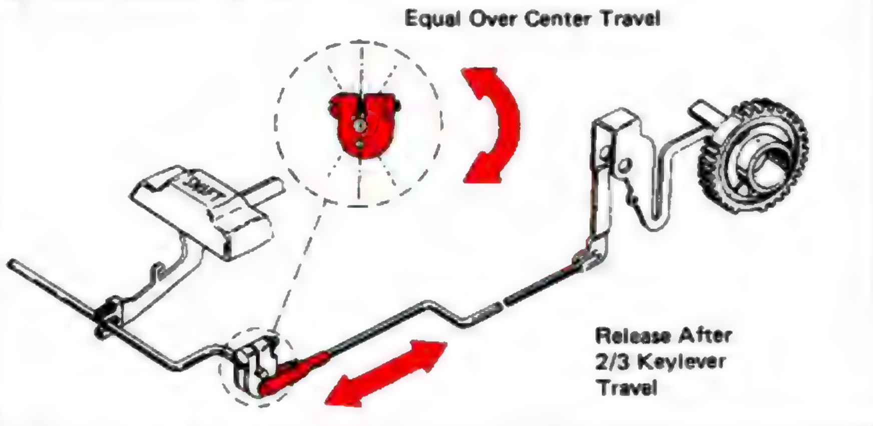
35 Shift Overthrow Stop (16-203)



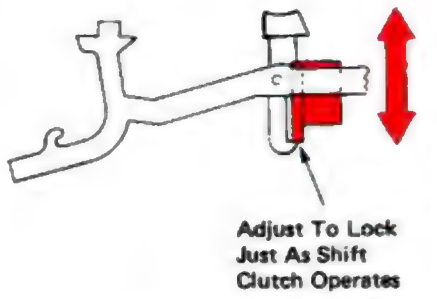
36 Shift Bracket (16-208)



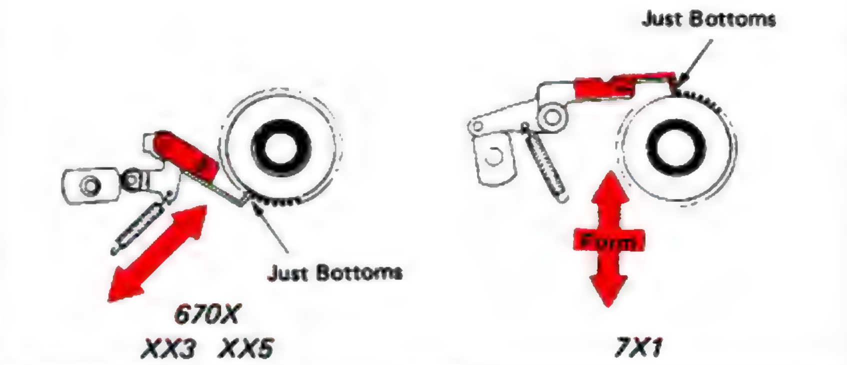
37 Shift Release (16-19)



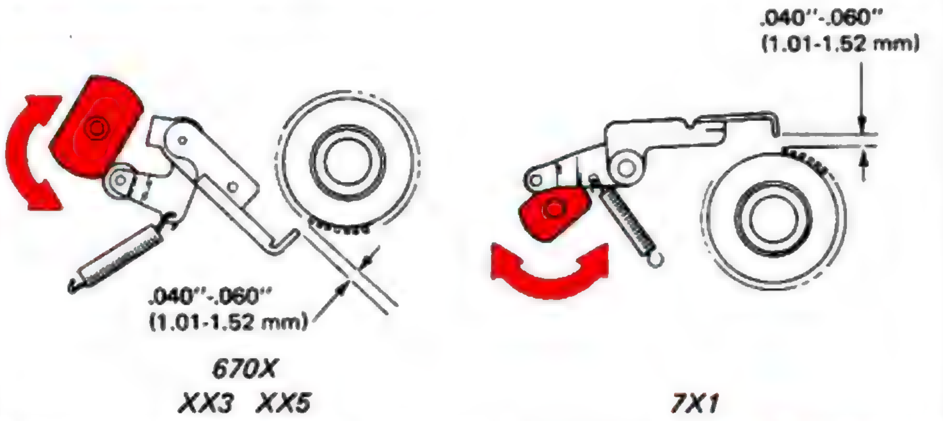
38 Shift Lock (16-37)



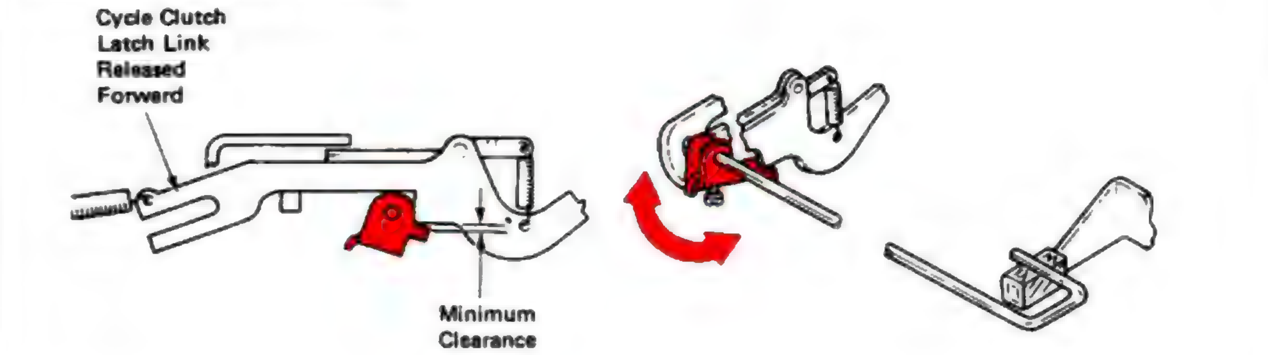
39 Shift Interlock (16-73)



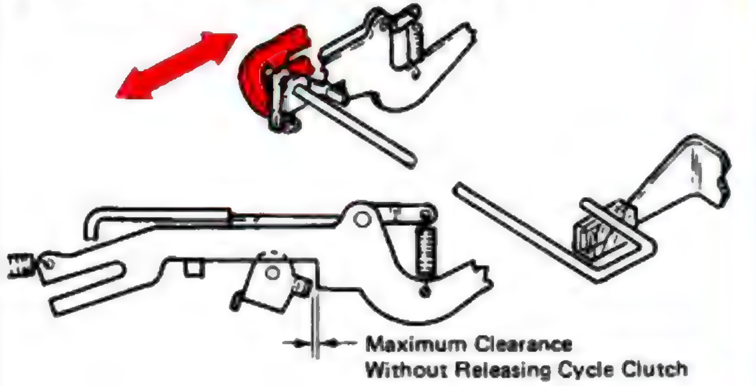
40 Shift Interlock Cam (16-14)



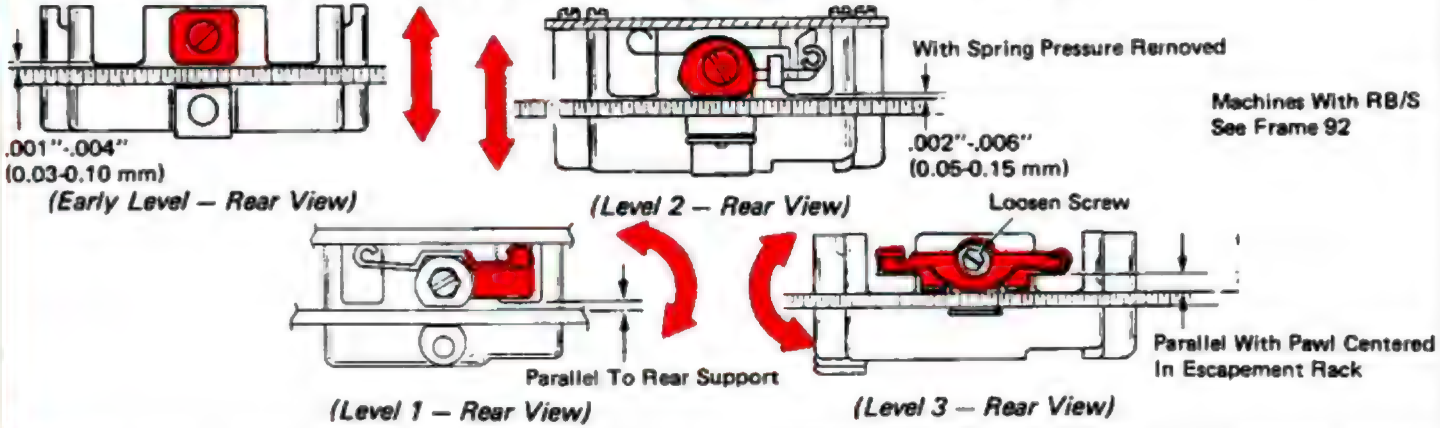
41 Character Interrupter (21-285)



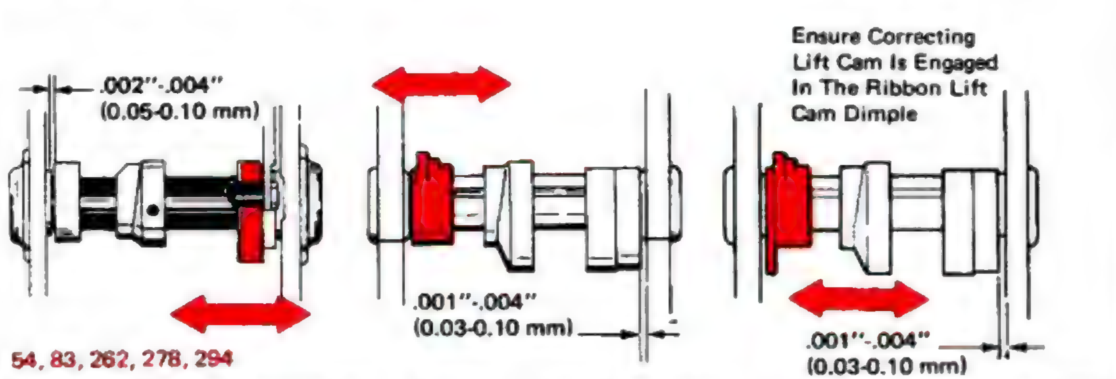
42 Character Interrupter Bracket (21-287)



43 Carrier Shoe (02-107) (02-119) (02-112) (02-96)

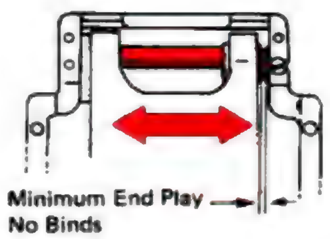


44 Print Sleeve End Play (02-152) (26-56)



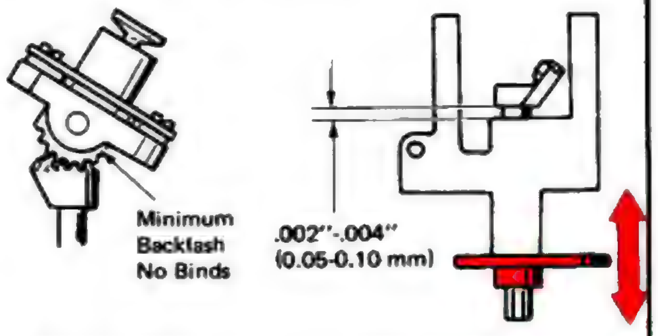
(Level 1 – Pre-Dual Impression) *(Level 2 – Dual Impression)* *(Level 3 – Correcting Only)*

45 Rocker End Play (02-530)



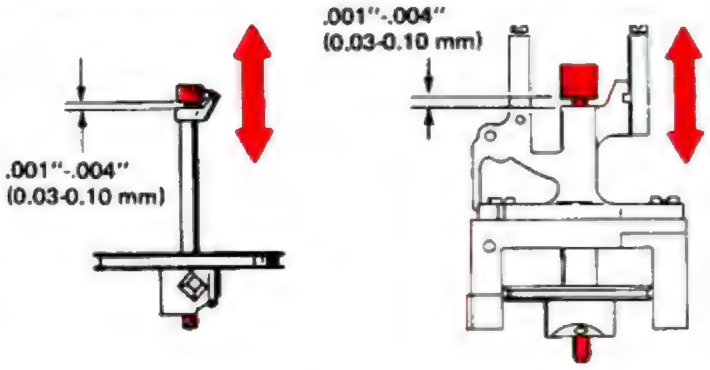
(Top View)

46 Tilt Tube End Play (02-305)



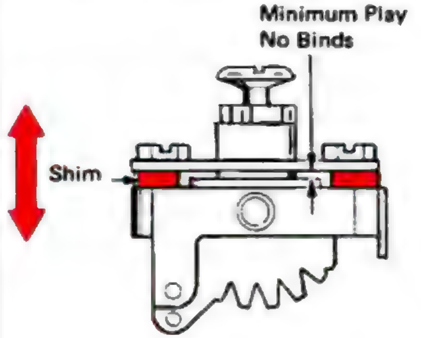
(Front View) *(Right Side View)*

47 Rotate Shaft End Play (02-415)

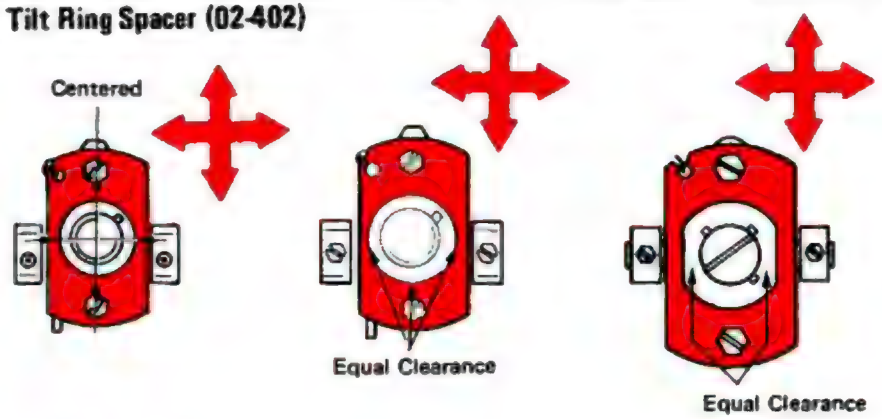


(Pre-Dual Impression) *(Dual Impression)*

48 Upper Ball Socket (02-400)

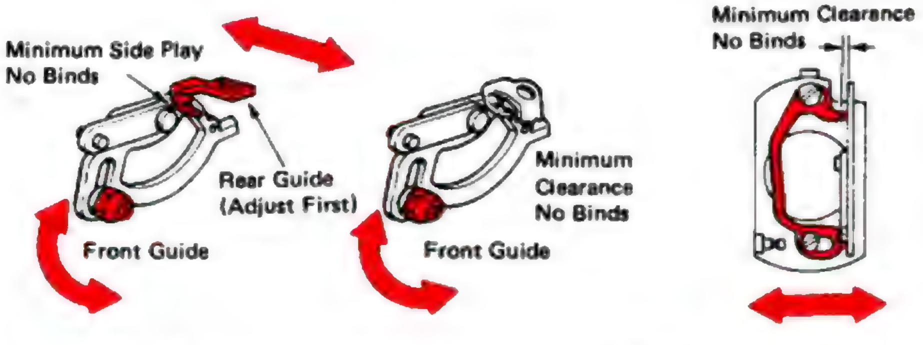


49 Tilt Ring Spacer (02-402)



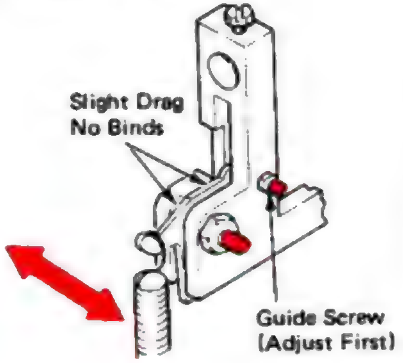
(Level 1) *(Level 2)* *(Level 3)*

50 Rotate Detent (02-406)

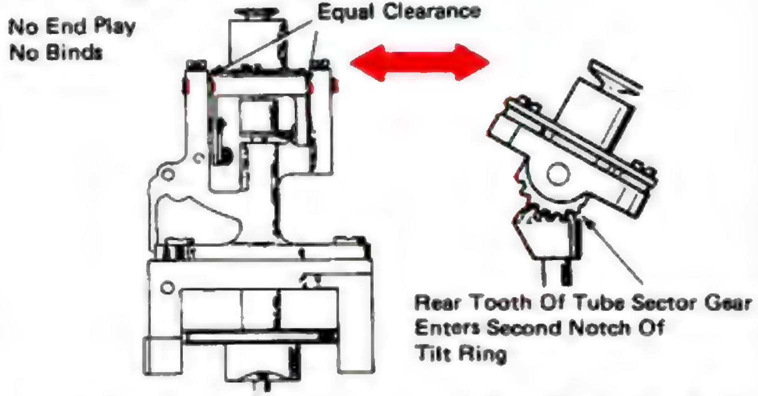


(Level 1) *(Level 2)*

51 Tilt Detent (02-311)

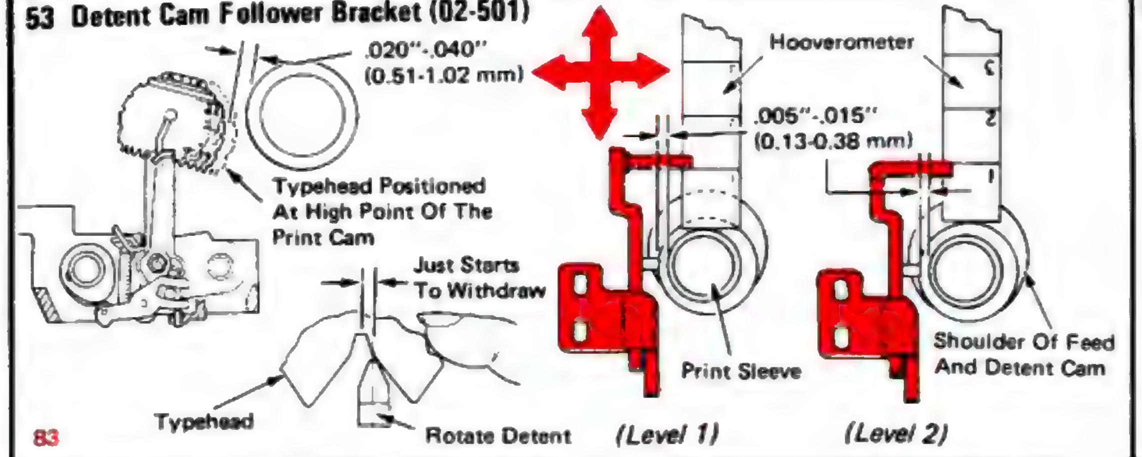


52 Tilt Ring Pivot Pins (02-300)



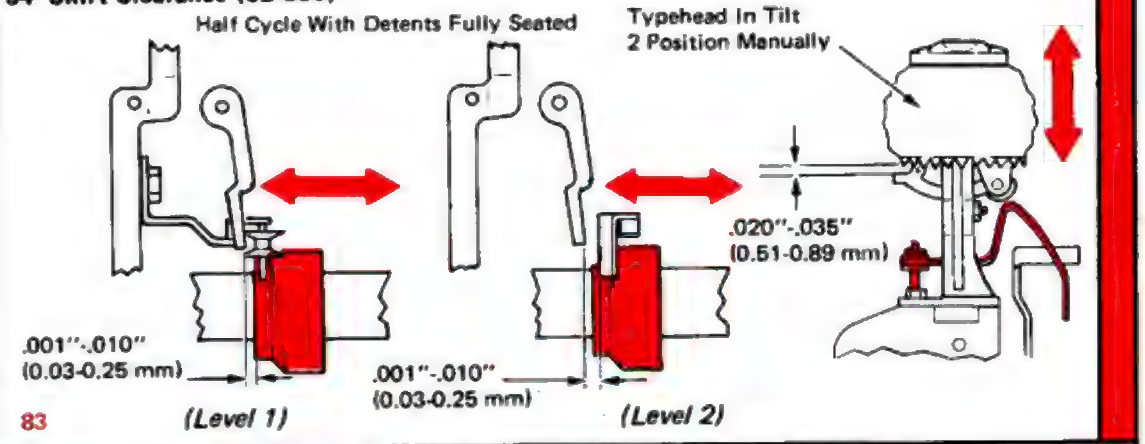
Gearless Tilt Mechanism *Gear Tilt Mechanism*

53 Detent Cam Follower Bracket (02-501)



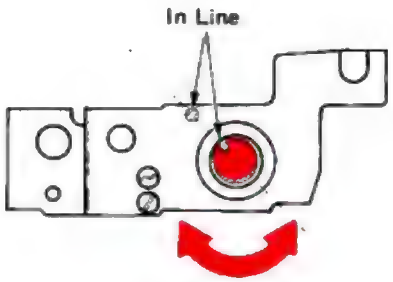
(Level 1) (Level 2)

54 Skirt Clearance (02-505)

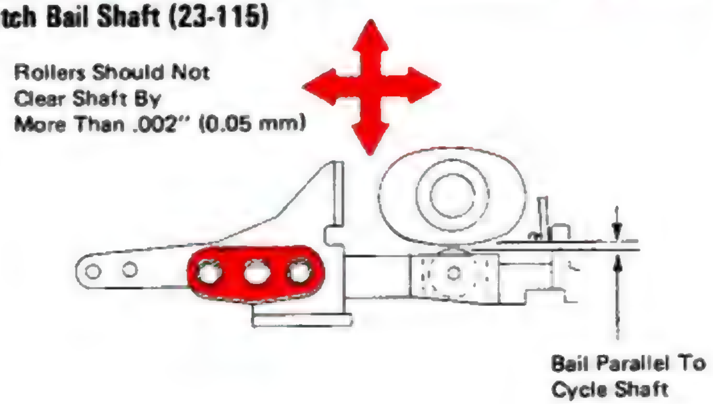


(Level 1) (Level 2)

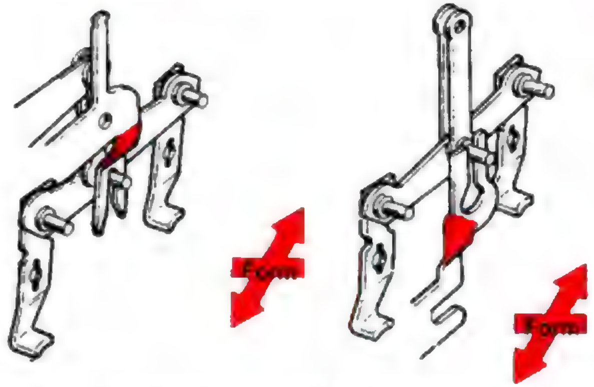
55 Print Shaft Timing (Preliminary) (02-30)



56 Latch Bail Shaft (23-115)

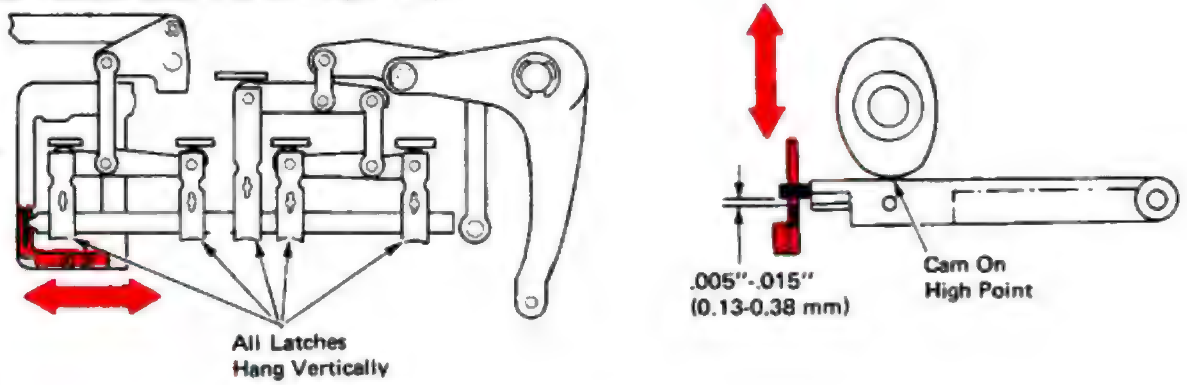


57 Differential Guides (23-207) (23-34)

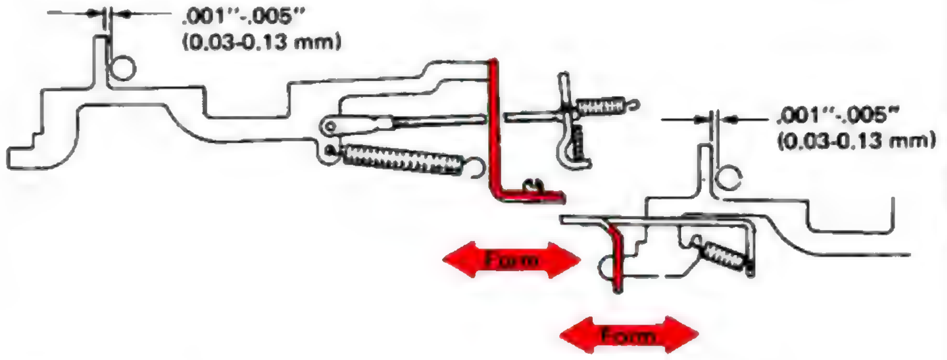


Differential Links Must Be Vertical

58 Positive Latch Bail Guide (23-107)

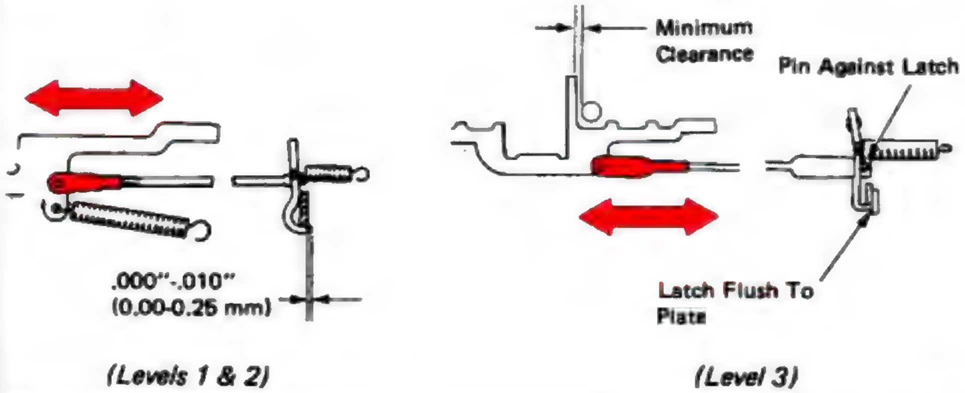


59 Interposer Stop Lugs (21-310) (21-325)

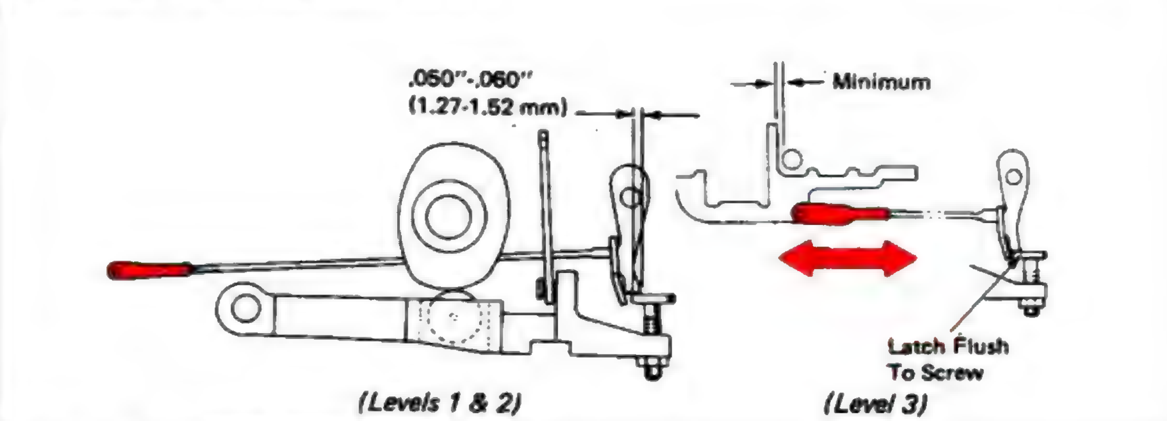


(Level 1) (Level 2)

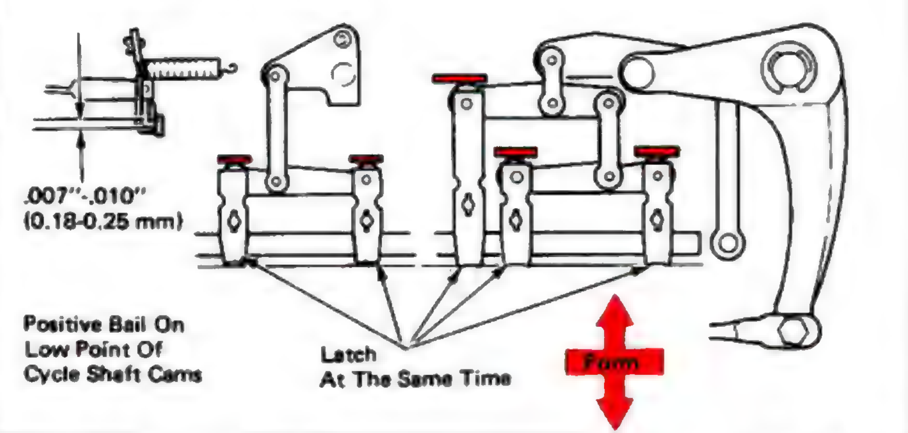
60 Selector Latch Links (21-316)



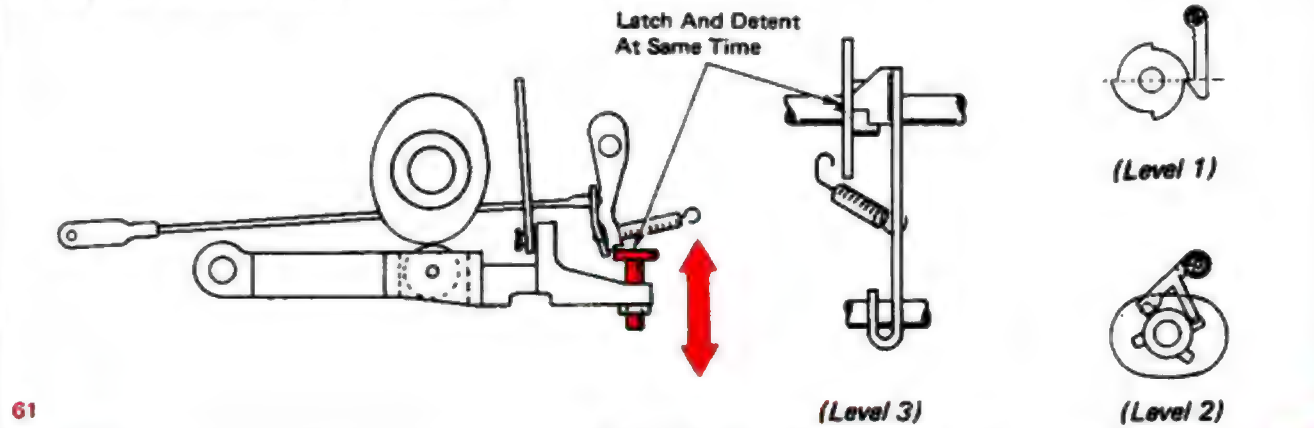
61 Negative 5 Or 6 Latch Link (21-317)



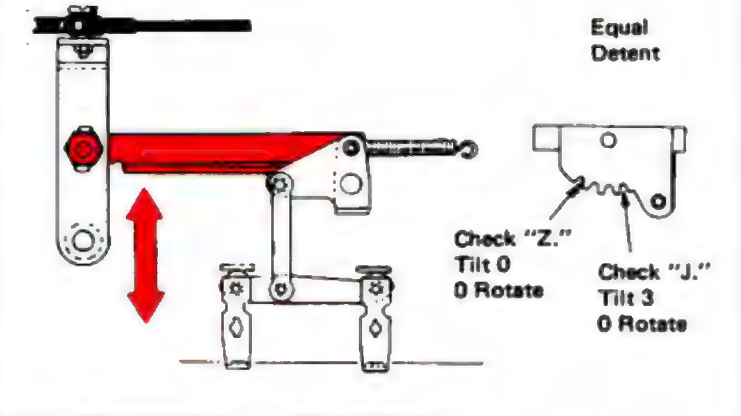
62 (Latch Stop Pads (23-486)



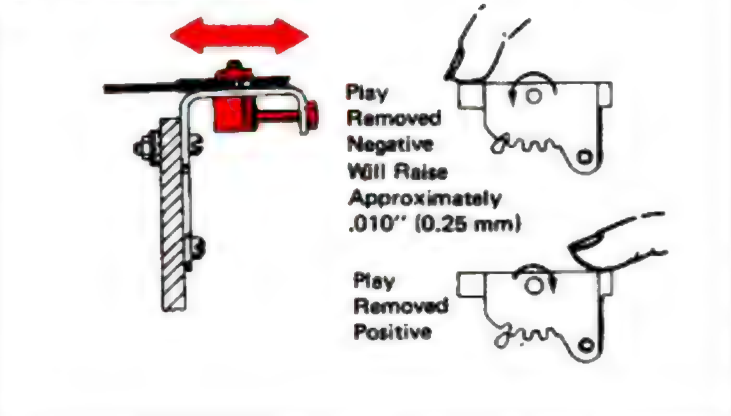
63 Negative Bail Stop Screw (Preliminary) (23-216)



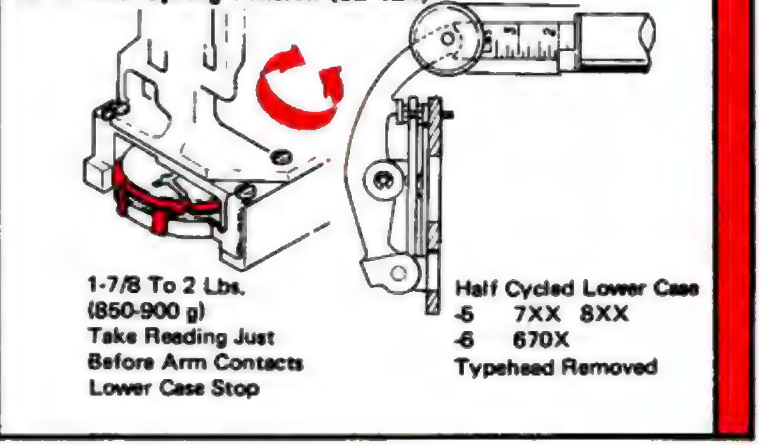
64 Tilt Arm Motion (23-28)



65 Tilt Homing (23-007)

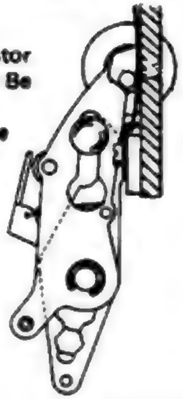


66 Rotate Spring Tension (02-424)

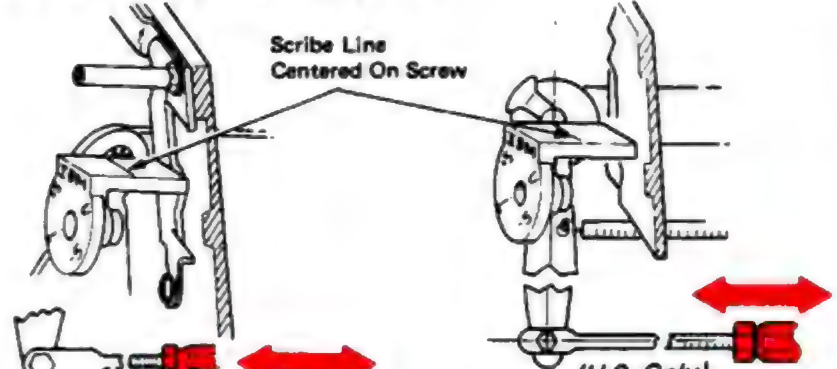


67 Compensator Arm (23-363)

Compensator Arm Must Be Disabled. See Service Manual



68 Rotate Arm Vertical (Preliminary) (23-367)

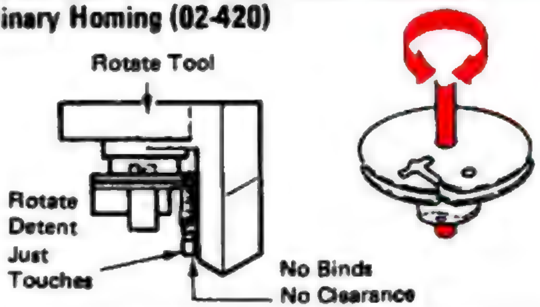


(Compensator Arm)

(U.S. Only)

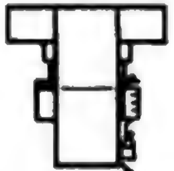
(Solid And Two Piece Arm)

69 Preliminary Homing (02-420)

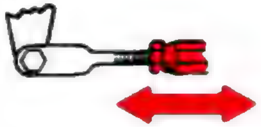


Adjustment	Shift	Character	Tool Slot	Adjust
Preliminary Homing	UC	I Tilt 2 +3 Rotate	U	Rotate Pulley W.T. L-2/UBS

70 Zero Rotate (23-228)



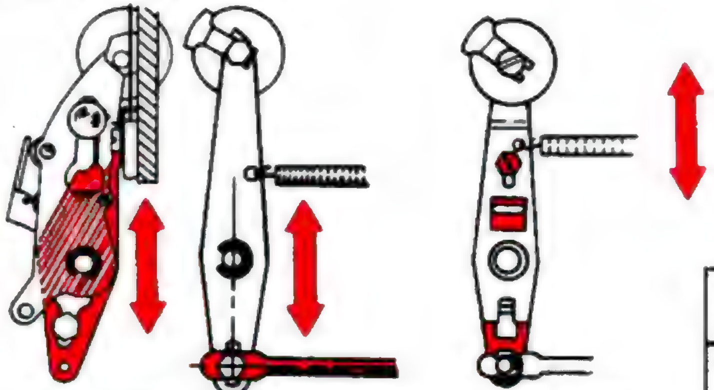
No Binds
No Clearance



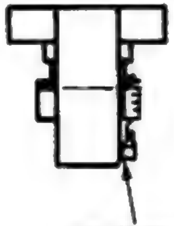
Leave Turnbuckle Loose

Adjustment	Shift	Character	Tool Slot	Adjust
Zero Rotate	UC	1/4 Tilt 2 Zero Rotate	U	Turnbuckle W.T. L-2/UBS

71 Positive 5 Motion (23-369)



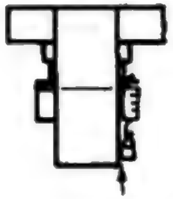
(Compensator Arm) *(Solid Arm)* *(Two Piece Arm)*



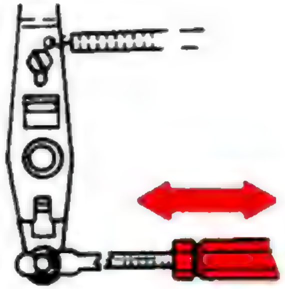
No Clearance
No Binds

Adjustment	Shift	Character	Tool Slot	Adjust
+5 Motion	UC	W Tilt 2 +5 Rotate	+5	Rotate Arm

72 Negative 5 Motion (23-369)

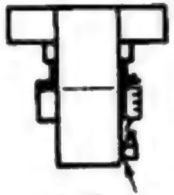


No Clearance
No Binds

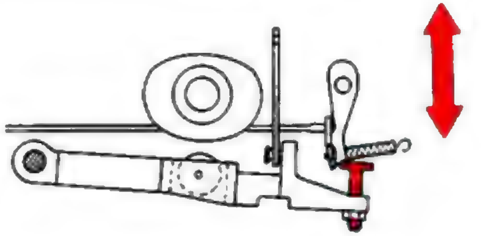


Adjustment	Shift	Character	Tool Slot	Adjust
-5 Motion	UC	M Tilt 2 -5 Rotate	-5	Turnbuckle W.T. L-2/UBS

73 Balance (Final) (23-216)

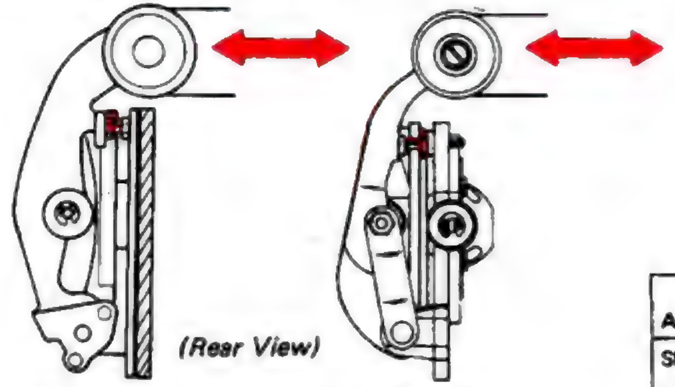


No Clearance
No Binds



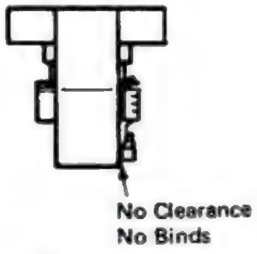
Adjustment	Shift	Character	Tool Slot	Adjust
Balance	UC	1/4 Tilt 2 Zero Rotate	U	-5 Stop Screw

74 Shift Motion (16-101) (16-41)



(Rear View)

(Stamped Arm) (Die Cast Arm)

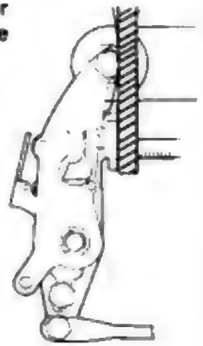


Adjustment	Shift	Character	Tool Slot	Adjust
Shift Motion	LC	1/2 Tilt 2 Zero Rotate	L	Shift Stop Screw

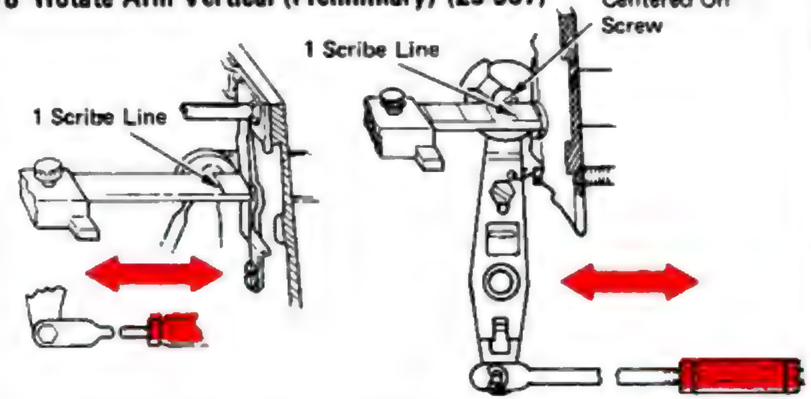
If character selection adjustments with rotate tool are complete, continue with frame 83.

75 Compensator Arm (23-363)

Compensator Arm Must Be Disabled See Service Manual

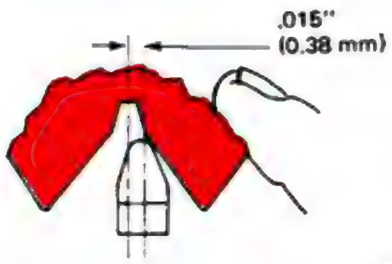


76 Rotate Arm Vertical (Preliminary) (23-367)

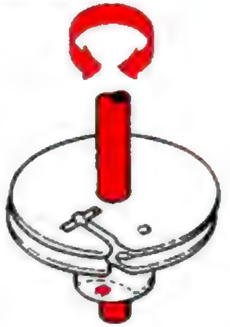


(Compensator Arm) (U.S. Only) (Solid and Two-Piece Arm)

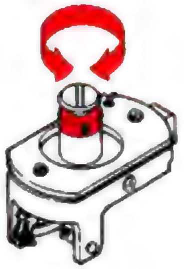
77 Typehead Homing (Preliminary) (02-420) (02-441)



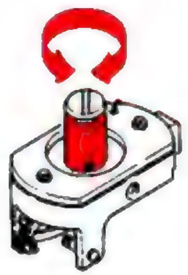
Upper Case	
Tilt 2 Zero Rotate	"Degree" – 7XX 8XX "R" – 670X



7XX 8XX

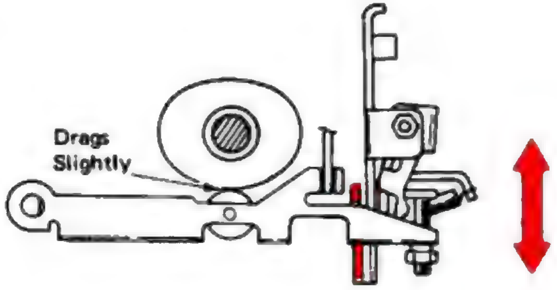


670X
9XX W.T.

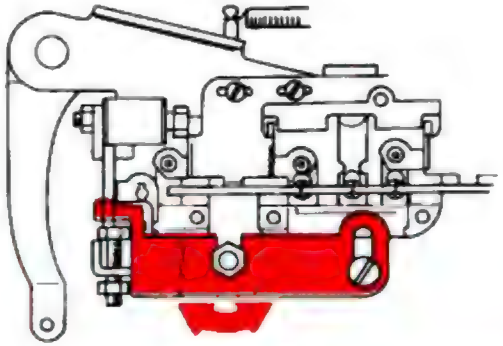


8XX W.T.

78 Negative 6 Upstop (23-241)

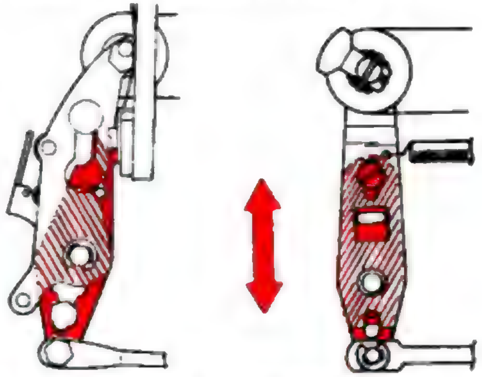


(Right Side View)



(Rear View)

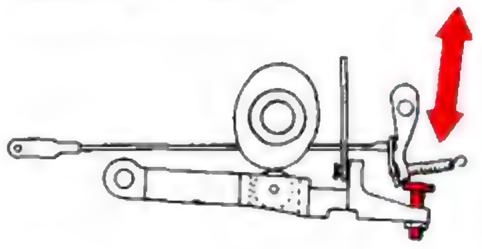
79 Rotate Arm Motion (23-369)

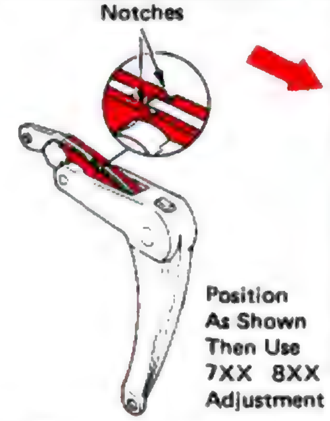


(Compensator Arm) (Solid And Two Piece Arm)

Upper Case	
"Degree" = "W"	7XX 8XX
"R" = "V"	670X
Tilt 2 Zero Rotate = Tilt 2 +5 Rotate	7XX 8XX 670X 9XX

80 Balance (Final) (23-216)

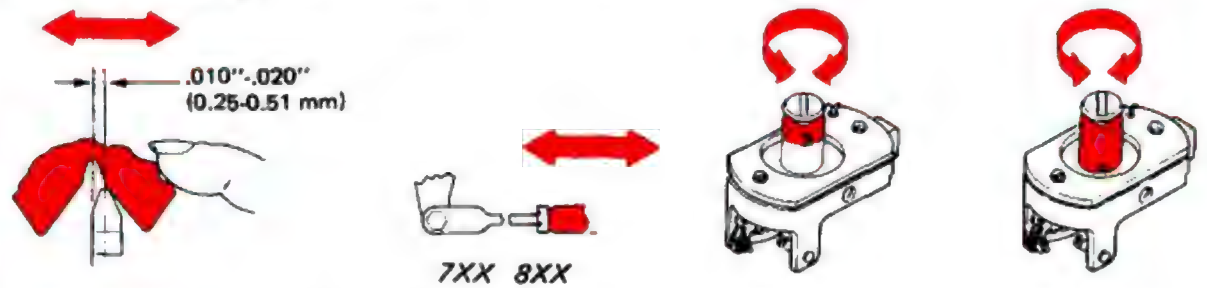




(Adjustable Balance Arm)

7XX 8XX	670X 9XX W.T.
"T" = "M"	"R" = "degree"
Tilt 1 Zero Rotate = Tilt 2 -5 Rotate	Tilt 2 Zero Rotate = Tilt 2 -6 Rotate

81 Typehead Homing (Final) (02-420) (02-441)



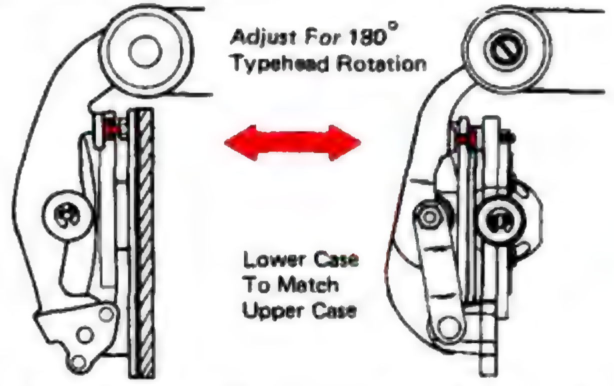
7XX 8XX

670X 9XX W.T.

8XX W.T.

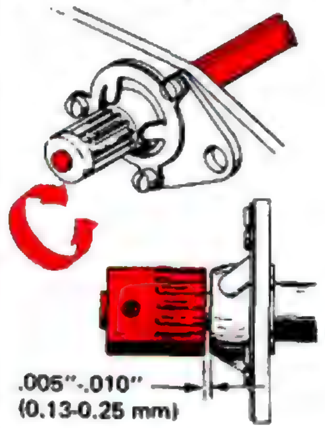
	Upper Case	
Tilt 2 Zero Rotate	"Degree"	7XX 8XX
	"N"	670X

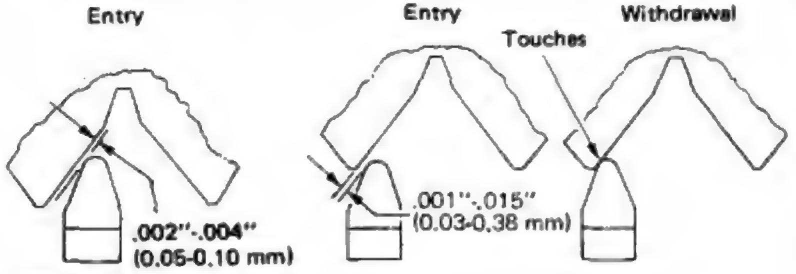
82 Shift Motion (16-101) (16-41)


Adjust For 180° Typehead Rotation
Lower Case To Match Upper Case

(Stamped Shift Arm) *(Die Cast Shift Arm)*

83 Fine Timing (02-30)



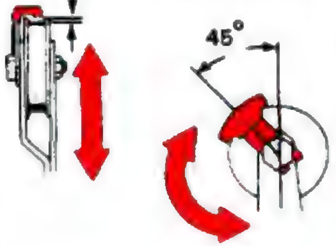


(Pre-Dual Impression) *(Dual Impression)*

Hand Cycle Upper Case M	Tilt 2 -5 Rotate	7XX 8XX
Hand Cycle Upper Case Degree	Tilt 2 -6 Rotate	670X 9XX W.T.

84 Rotate Pulley Guard (23-351)

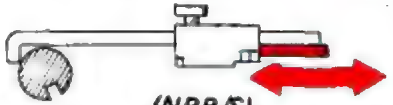
.005"
(0.13 mm)
Clearance When
In Negative 5/6 Position



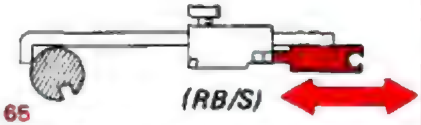
85 Escapement Rack Or Rail (07-11)

Hooverometer On Number One Scribe Line

Just Spans The Distance



(NRB/S)

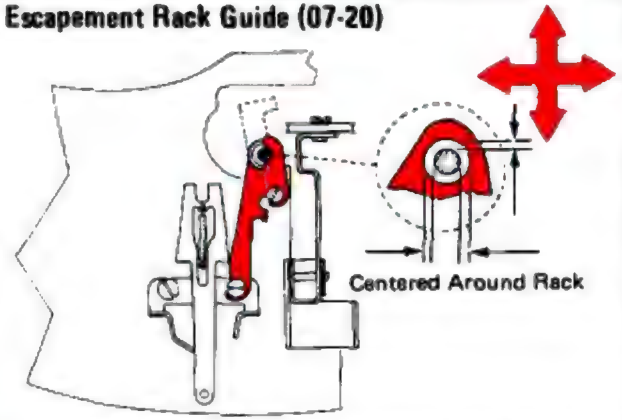


(RB/S)

165

Check At Left, Center, And Right

86 Escapement Rack Guide (07-20)

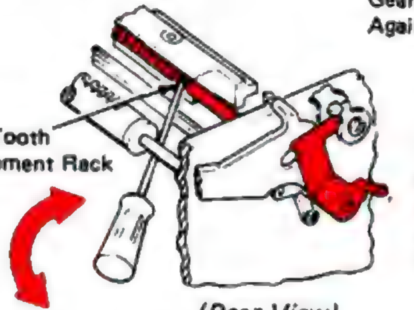


89

(Dual Pitch Only) *(Left Side View)*

87 Escapement Rack Teeth Vertical (07-23)

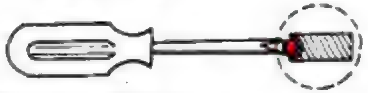
10 Pitch



(Rear View)

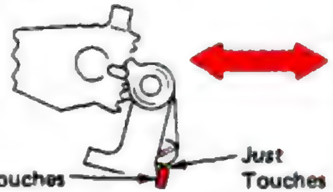
(Dual Pitch Only)

88 Escapement Rack Gear Lower Stop (07-20)



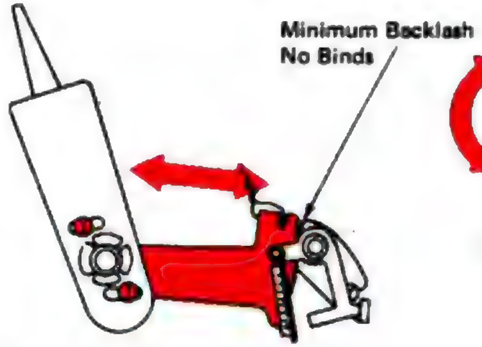
Screwdriver Fully Seated In First Tooth

12 Pitch



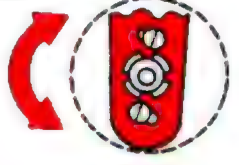
(Dual Pitch Only)

89 Switch Pitch Sector Gear (07-31)

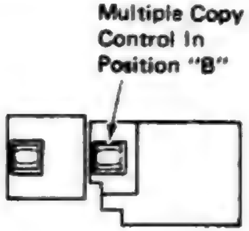


172

(Dual Pitch Only)

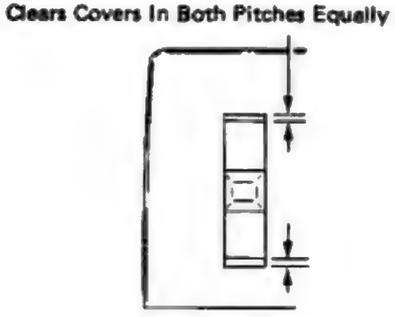


(Left Side View)



(Top View)

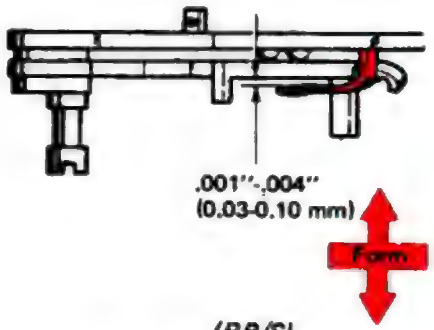
7XX 8XX 9XX



(Top View)

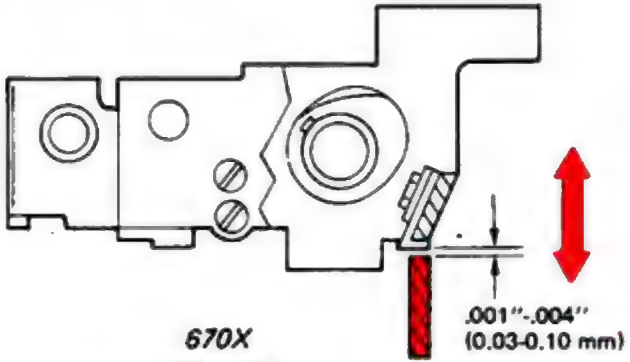
670X

90 Escapement Pawl Guide Lug (07-4)



(RB/S)

91 Carrier Support (02-8)

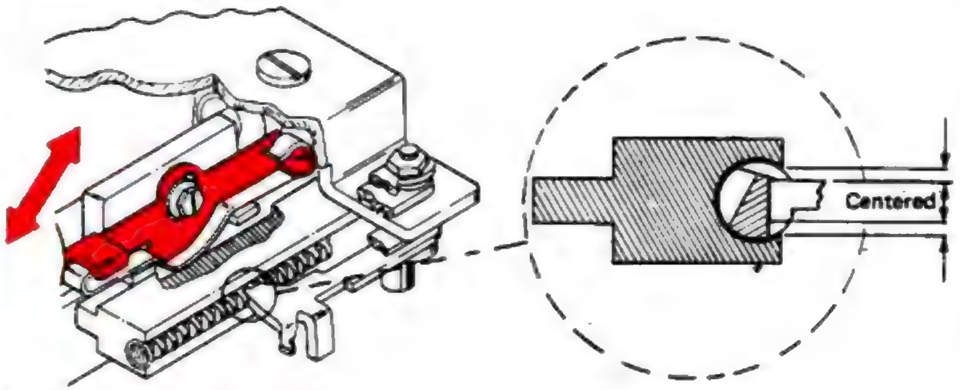


670X

XX3 XX5

331

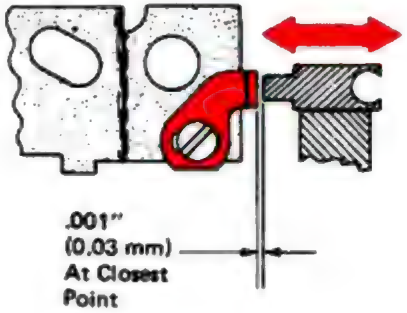
92 Carrier Shoe (07-4)



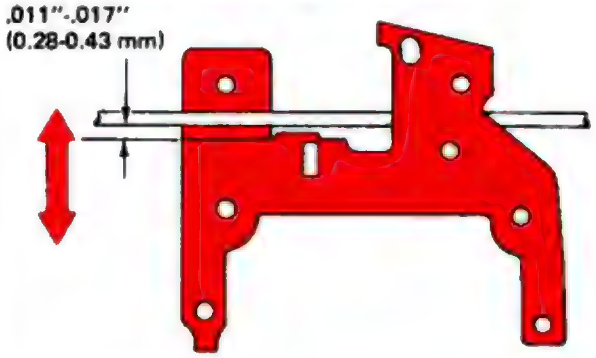
43, 91, 190, 207, 223, 331, 334

(RB/S Only)

93 Carrier Buffer (02-130)

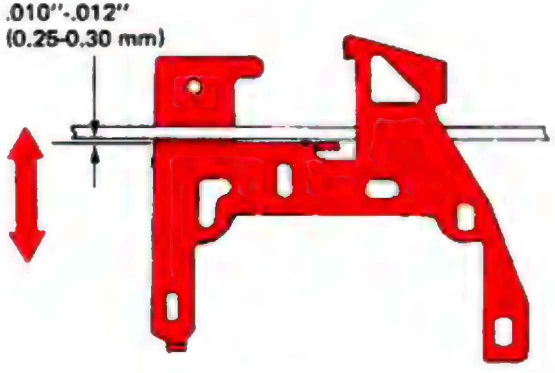


94 Escapement Bracket (06-23)



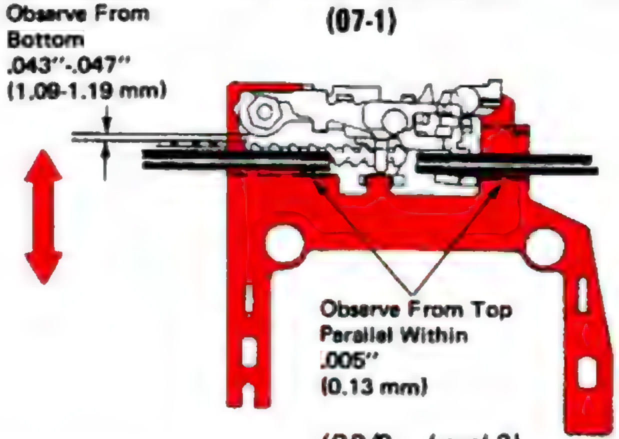
Tab Adjustments

(NRB/S – Level 1)



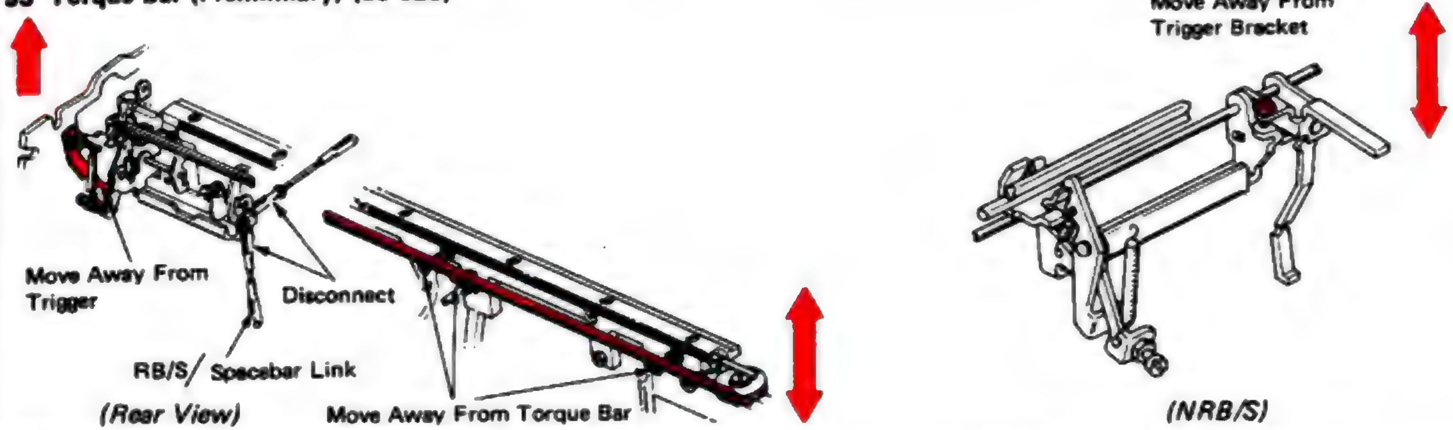
(NRB/S – Level 2)

(07-1)

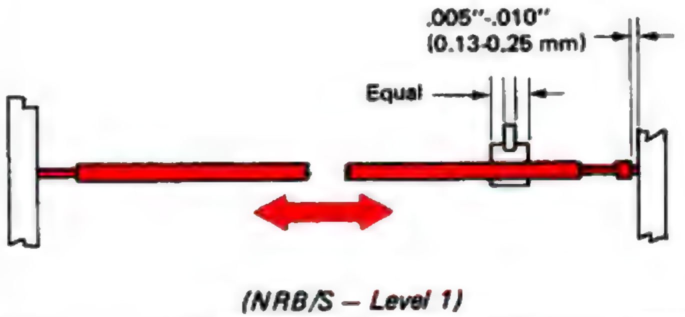


(RB/S – Level 3)

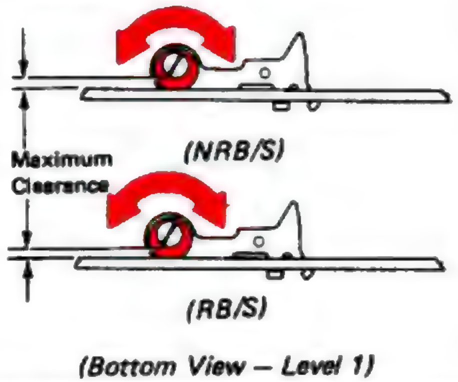
95 Torque Bar (Preliminary) (06-029)



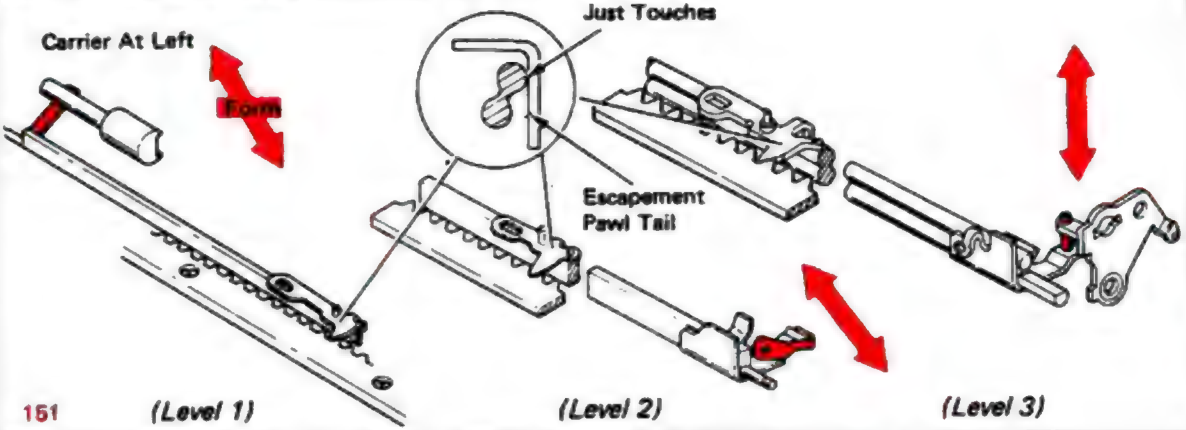
96 Escapement Torque Bar (06-33)



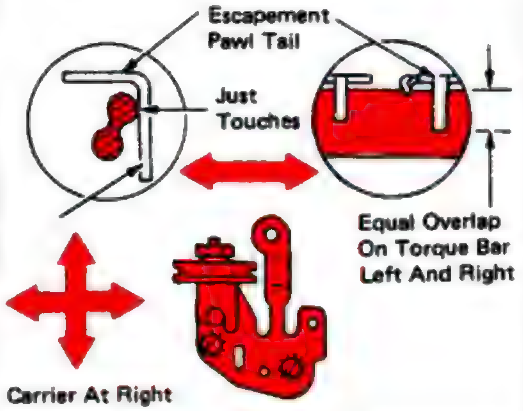
97 Pawl Mounting Stud (Preliminary) (06-26)



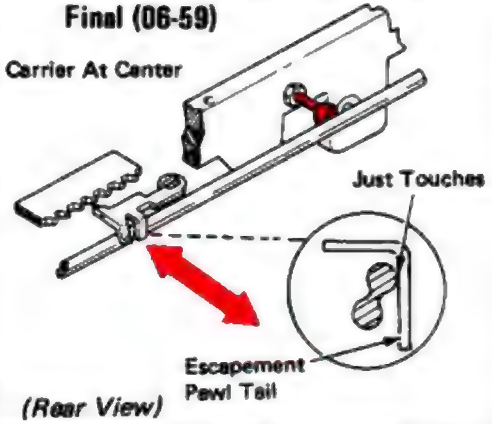
98 Torque Bar Upstop (Preliminary) (06-55)



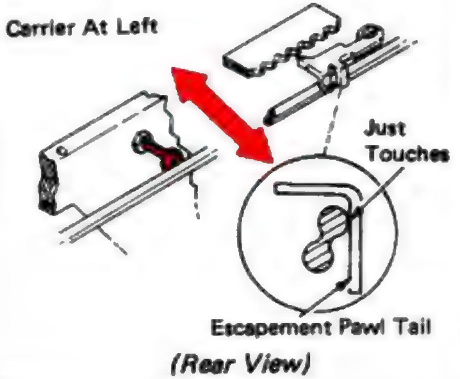
99 Escapement Pawl Tail Clearance (23-50)



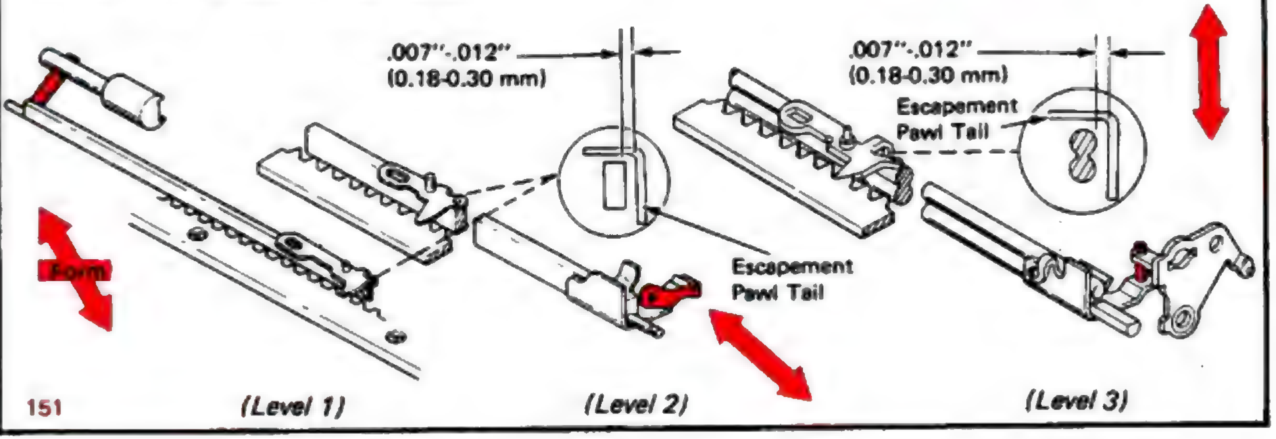
100 Center Torque Bar Backup Screw Final (06-59)



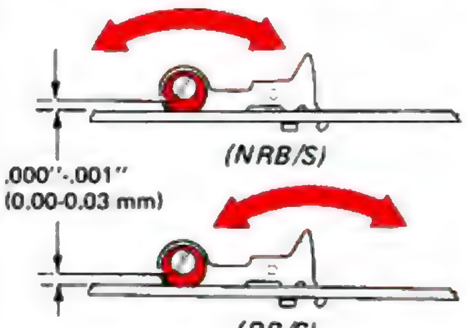
101 Left Torque Bar Backup Screw (Final) (06-13) (07-13)



102 Torque Bar Upstop (Final) (06-55)



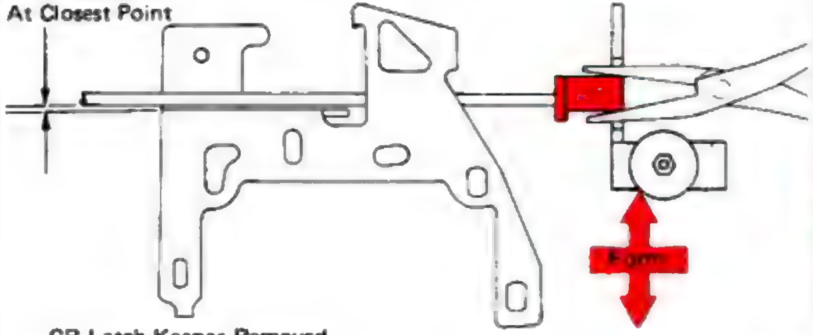
103 Pawl Mounting Stud (Final) (06-26)



(Bottom View) (Level 1)

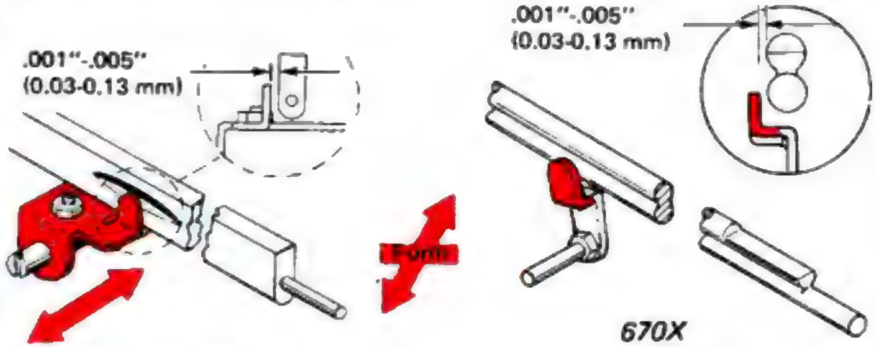
104 Tab Torque Bar Parallel (23-50)

Equal On Left
And Right End
At Closest Point



CR Latch Keeper Removed

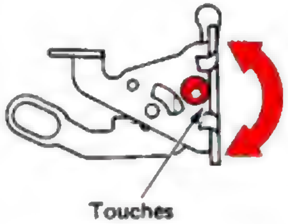
105 Torque Bar Backstop (06-39)



7X3 7X5
(Level 1)

670X
XX3 XX5
(Level 2)

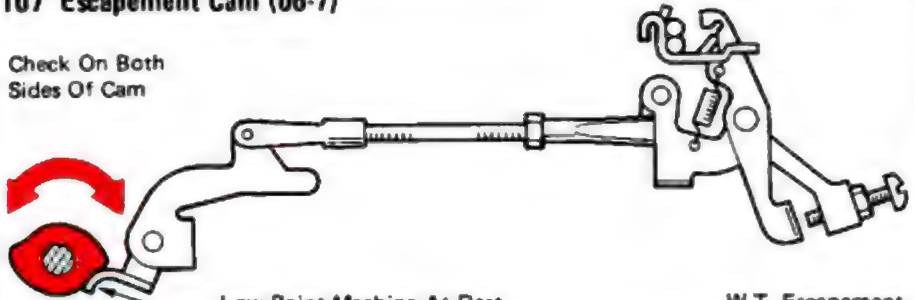
106 Knock-Off Pivot Pin Eccentric (06-19)



(Level 1)

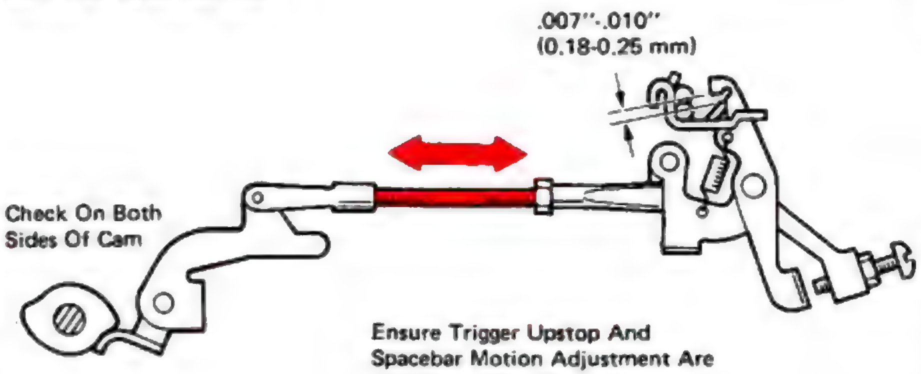
107 Escapement Cam (06-7)

Check On Both
Sides Of Cam


Low Point Machine At Rest
Escapement Should Occur Just After Print

W.T. Escapement
.042"-.060"
(1.00-1.50 mm)
After Print
Impression Control
At 5

108 Trip Link (06-10)

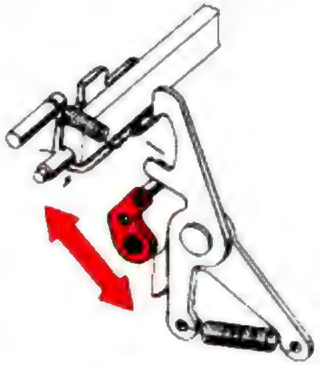


Check On Both
Sides Of Cam

Ensure Trigger Upstop And
Spacebar Motion Adjustment Are
Not Controlling This Adjustment

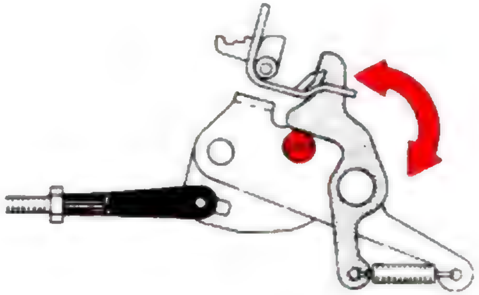
317

109 Trigger Knockoff (06-51)



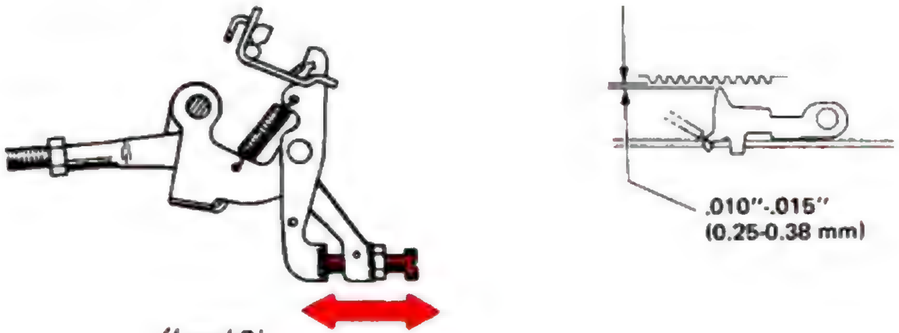
(Level 1)

(06-19)



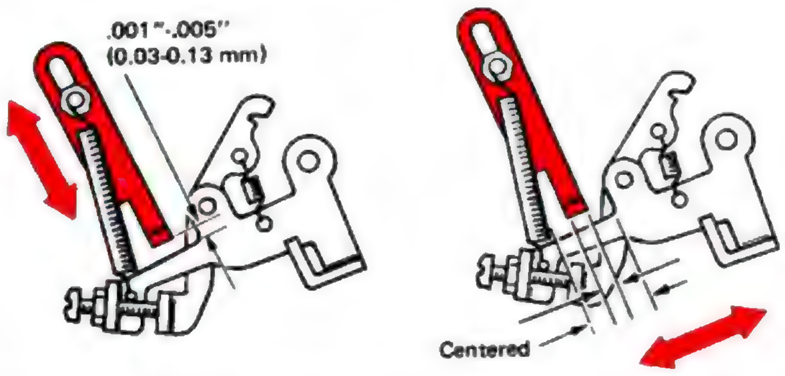
(Level 2)

(06-14)

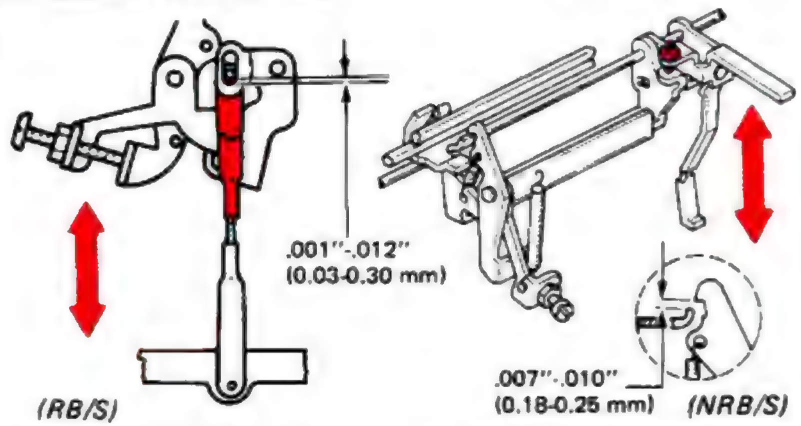


(Level 3)

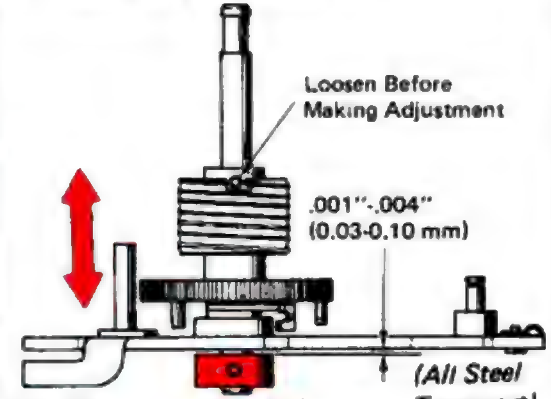
110 Trigger Upstop (Final) (06-36)



111 Spacebar Link (17-306) (07-40)

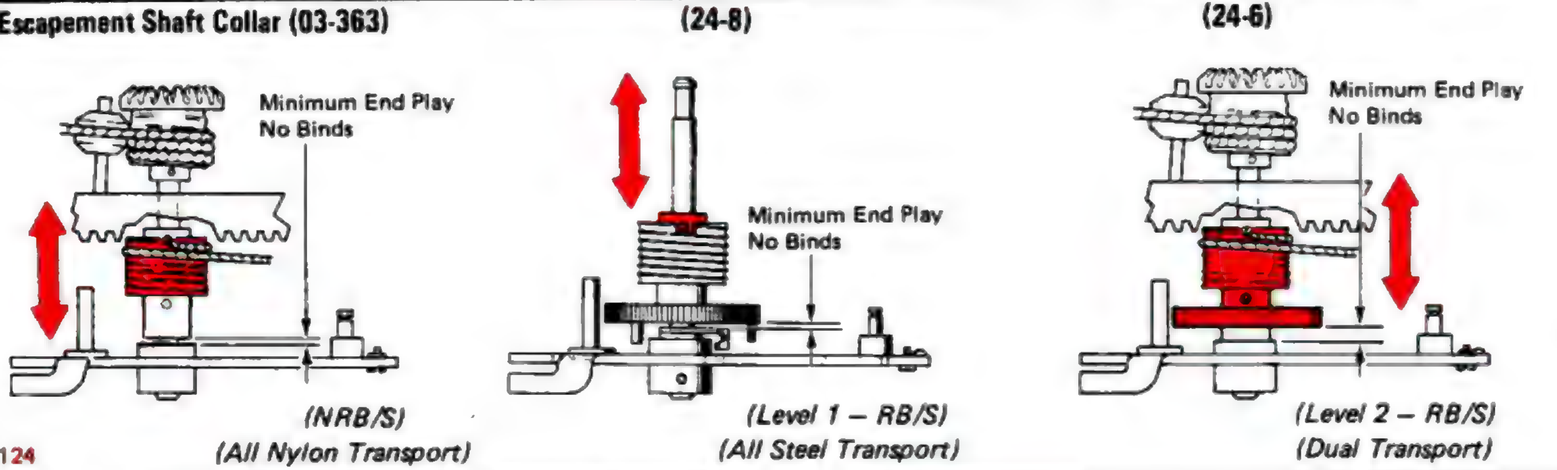


112 Mainspring Hub (19-13)



122, 124 (Level 1) (All Steel Transport)

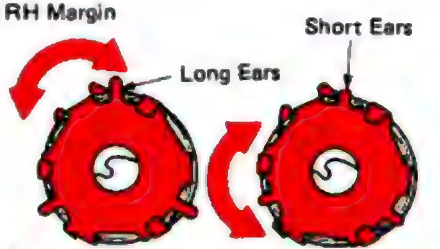
113 Escapement Shaft Collar (03-363)



122, 124

114 Mainspring (18-95) (19-12)

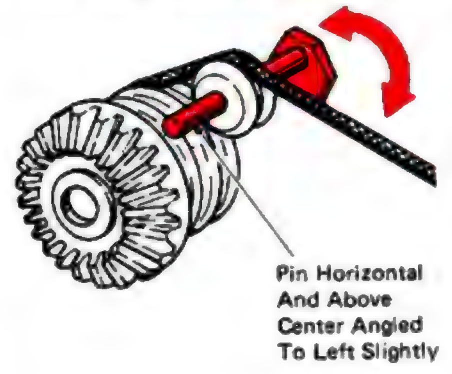
This Spring
Requires 5 Turns
At The RH Margin



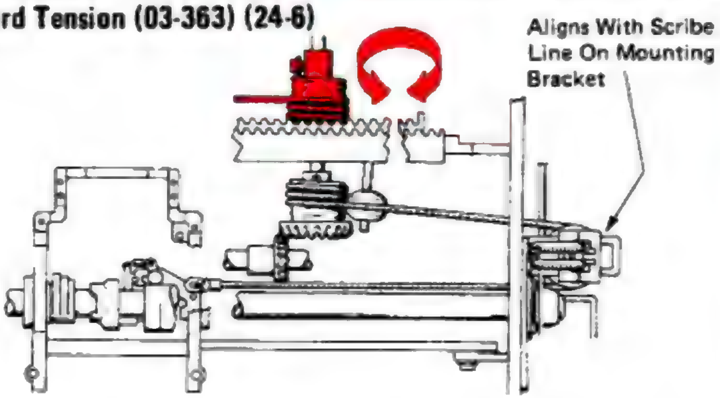
1/2-3/4 Lbs.
(226.8-340.2 g)
Tension As Carrier
Escapes Through
Extreme RH Margin

This Spring
Requires 7 Turns
At The RH Margin

115 Idler Pulley Eccentric (18-124) (19-16)

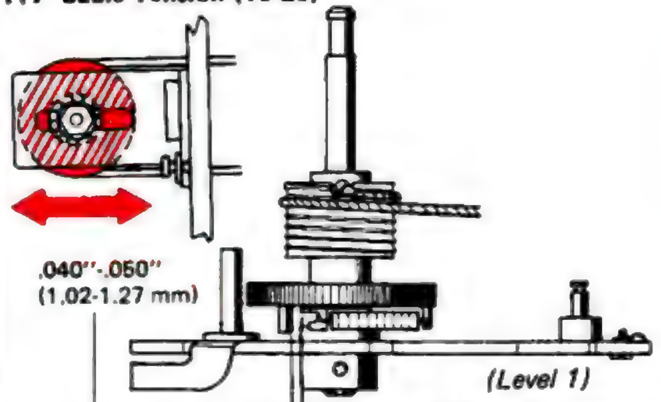


116 Cord Tension (03-363) (24-6)



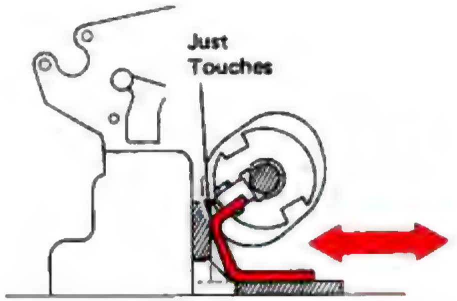
113 (NRB/S And Level 2 RB/S)

117 Cable Tension (19-23)

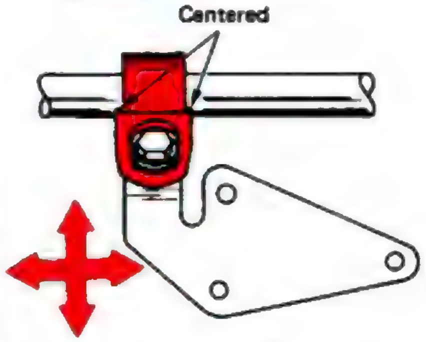


(Level 1)
(All Steel Transport)

118 Operational Shaft Support Bracket, Front To Rear (25-350)

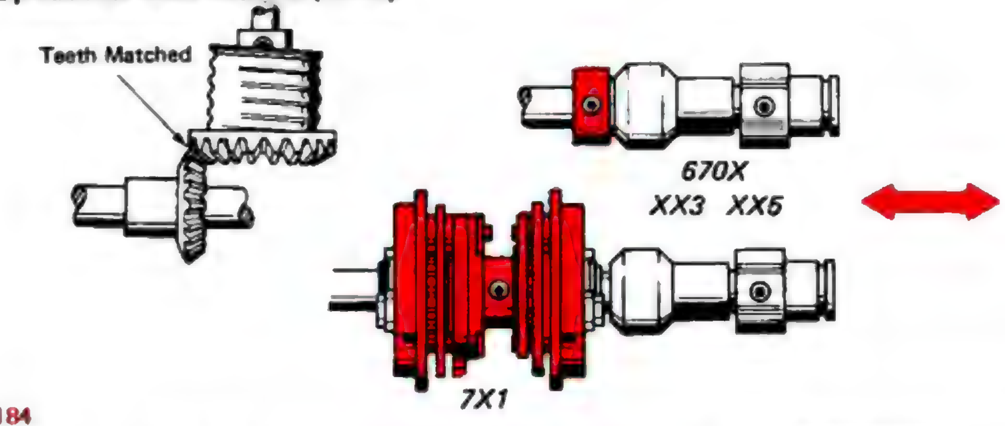


119 Operational Shaft Support (25-56)



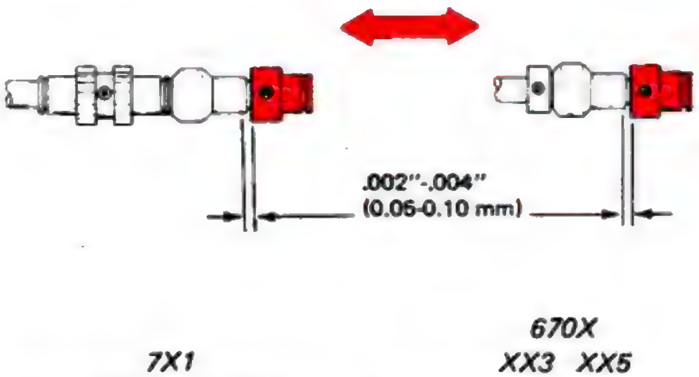
Just Touches With No Shaft Flex

120 Operational Shaft Position (25-24)

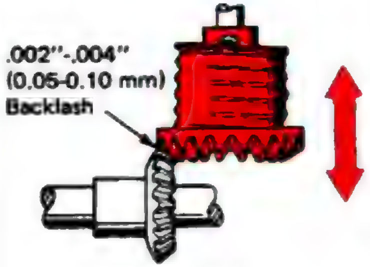


155, 184

121 Operational Shaft End Play (25-23)



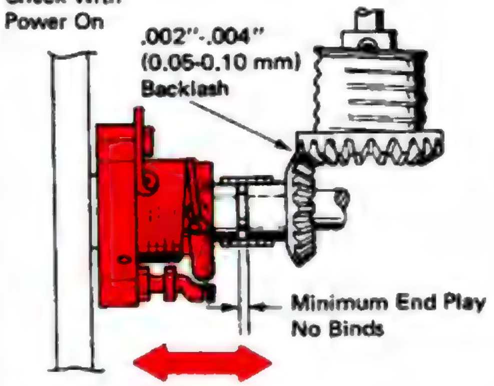
122 CR Pinion Backlash (18-103)



Remove Play In Escapement Shaft To Rear

123 CR Pinion End Play (25-3)

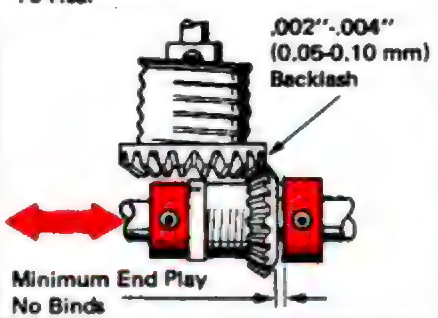
Check With Power On



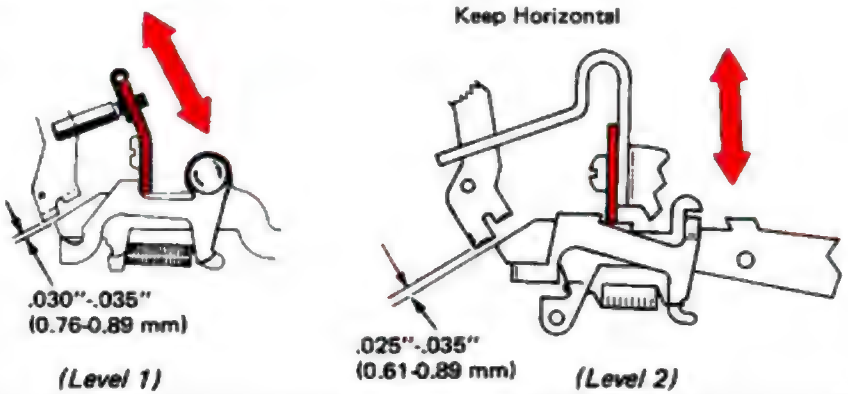
124 Tab Pinion Backlash (25-20)

Check With Power On

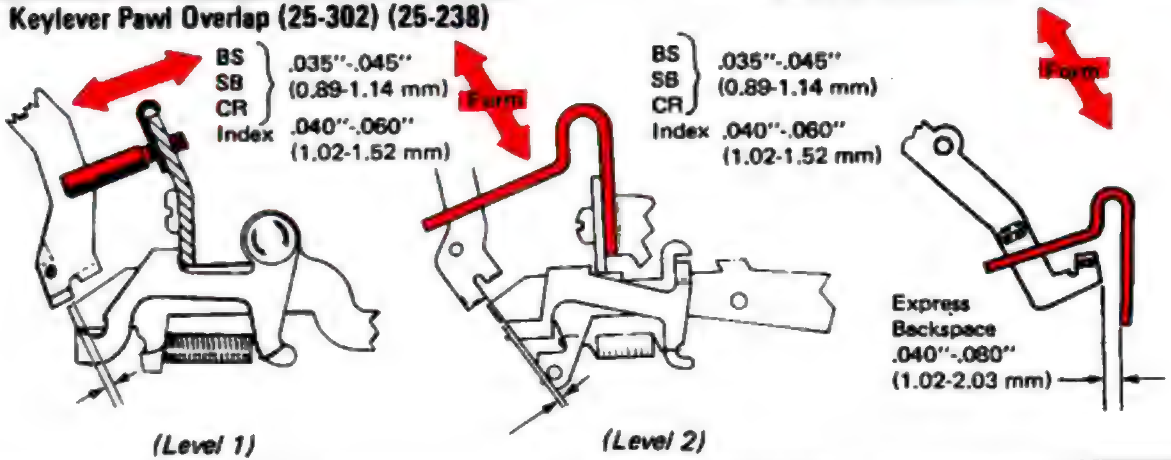
Remove Play In Escapement Shaft To Rear



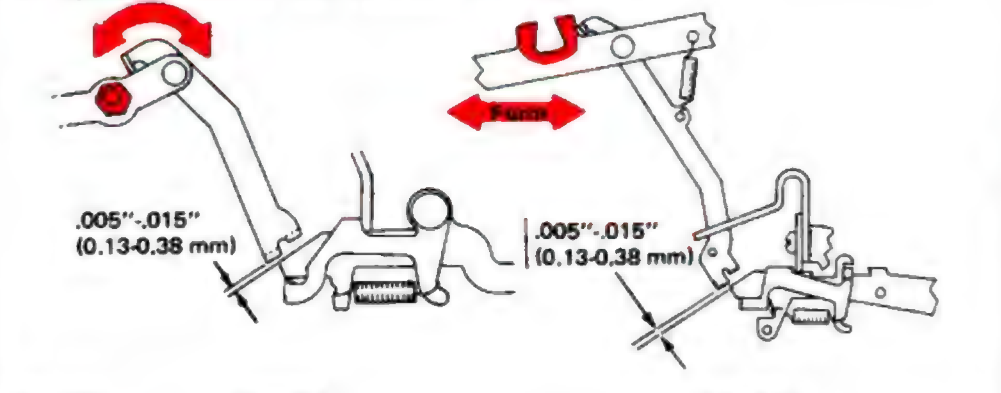
125 Index Keylever Pawl Clearance (25-224)



126 Keylever Pawl Overlap (25-302) (25-238)



127 Spacebar Keylever Pawl Clearance (17-110) (17-150)

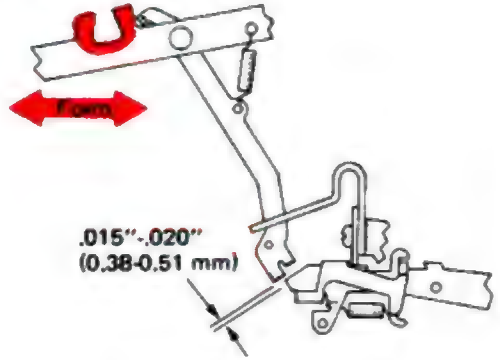


143, 144

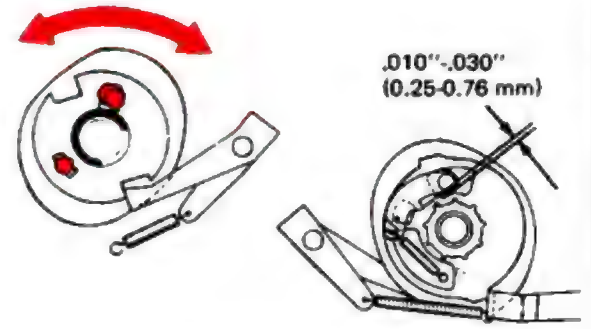
(Level 1)

(Level 2)

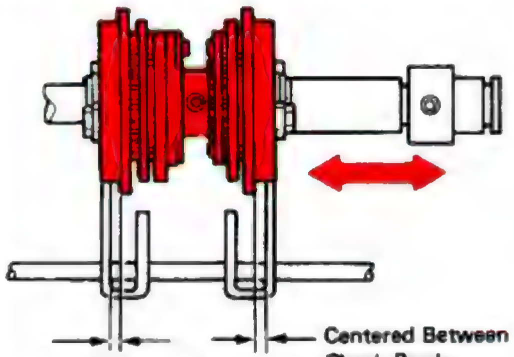
128 CR And BS Keylever Pawl Clearance (03-101)



129 Check Ring (25-29)



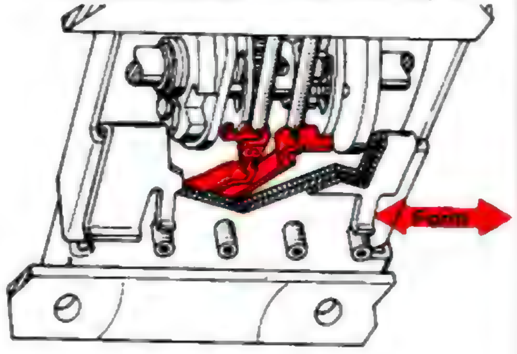
130 Operational Cam Position (25-101)



(Top View)

131 Release Arm Overlap (25-205)

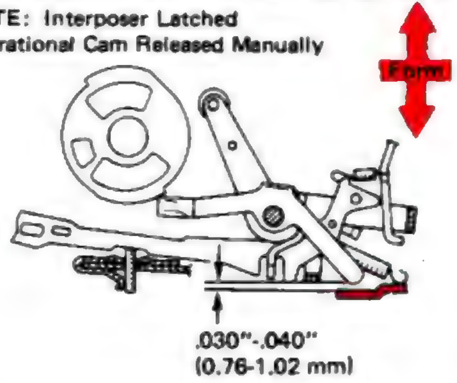
Maximum Overlap Without Touching Cam



(Bottom View)

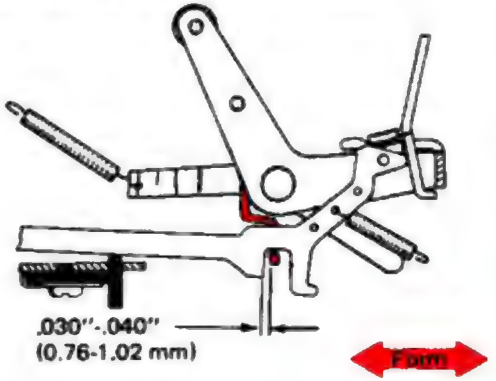
132 Clutch Release Arm Overlap (25-205)

NOTE: Interposer Latched
Operational Cam Released Manually



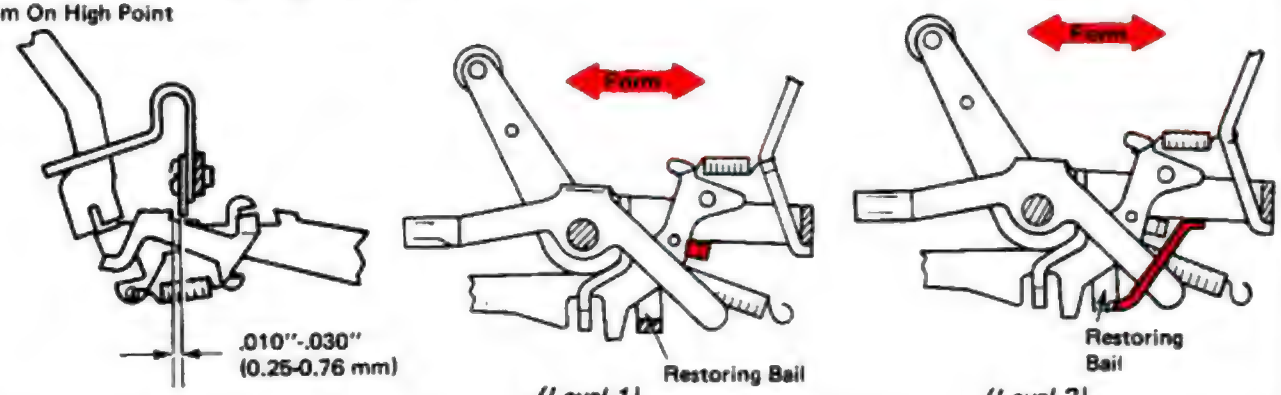
(Right Side View)

133 Clutch Release Arm (25-205)



134 Interposer Restoring Bail (25-216)

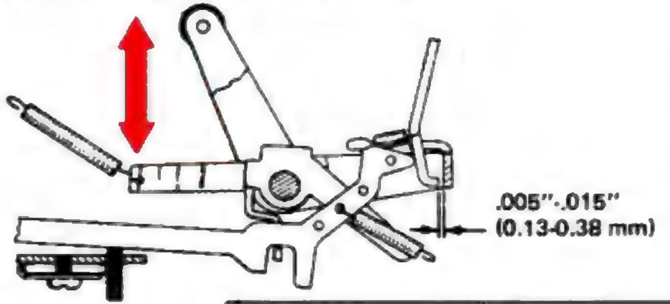
Cam On High Point



(Level 1)

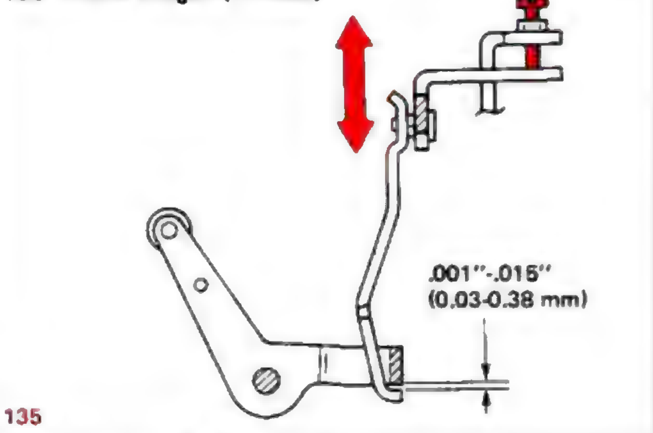
(Level 2)

135 Interposer Adjusting Screw (25-222)

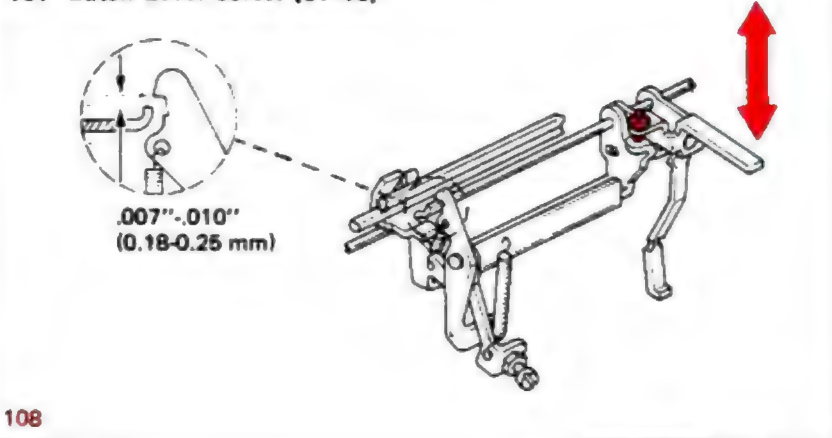


Adjust	Adjustment
1. B/S And CR	.005"-.015" (0.13-0.38 mm)
2. SB (RB/S Machines)	To Match B/S And CR
3. Index	To Match All Others

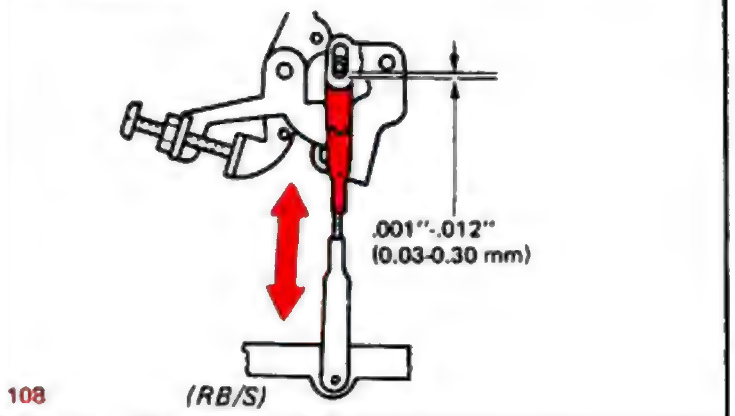
136 Latch Height (17-300)



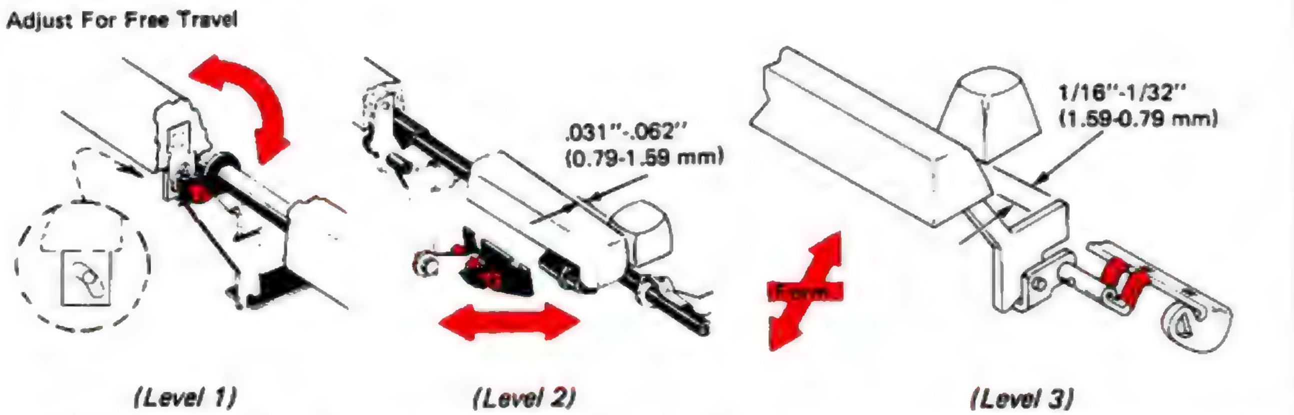
137 Latch Lever Screw (07-40)



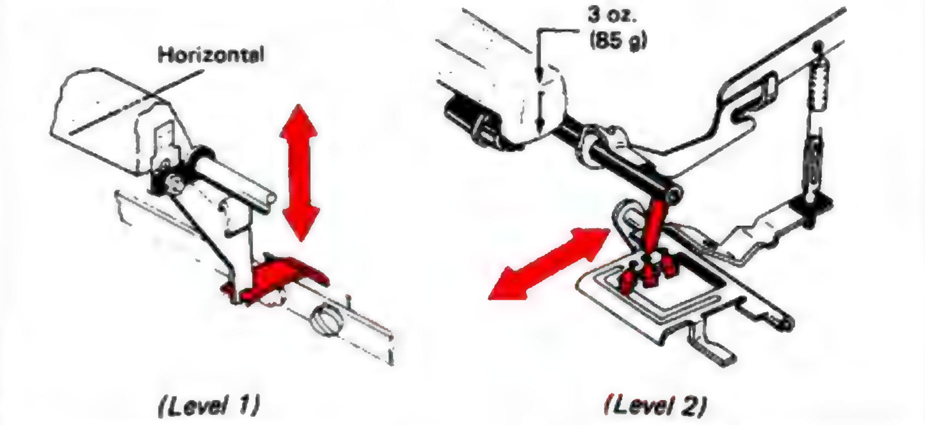
138 Spacebar Link (17-306)



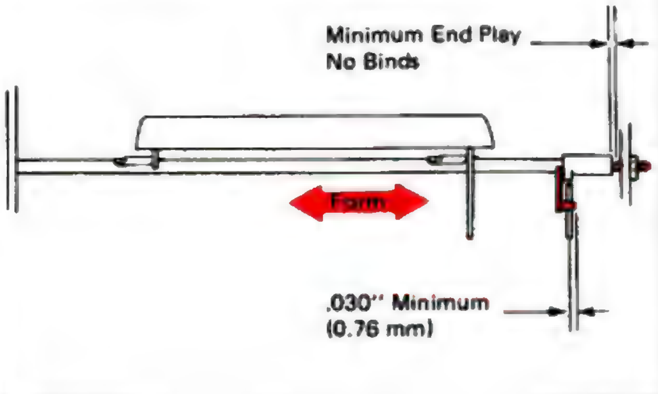
139 Spacebar Guide (17-129)



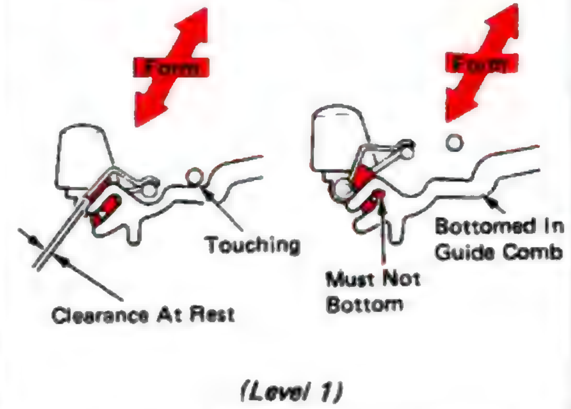
140 Spacebar Return (17-124) (17-146)



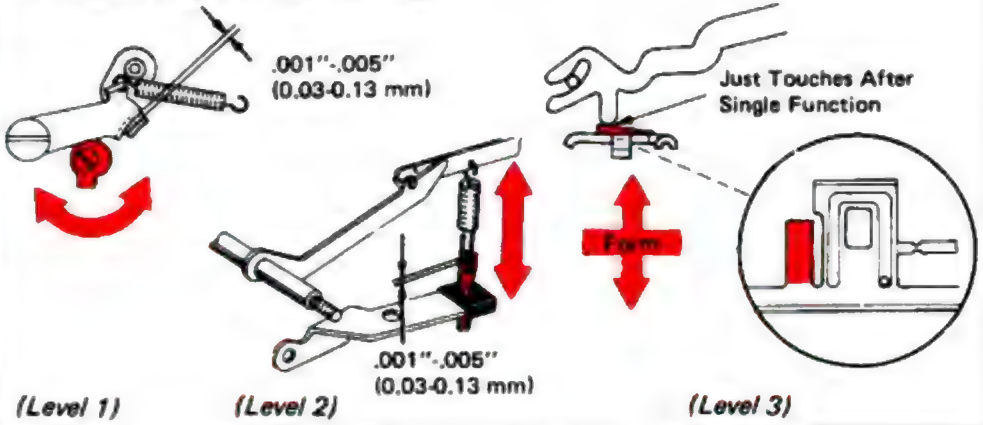
141 Spacebar Operating Arm (17-152)



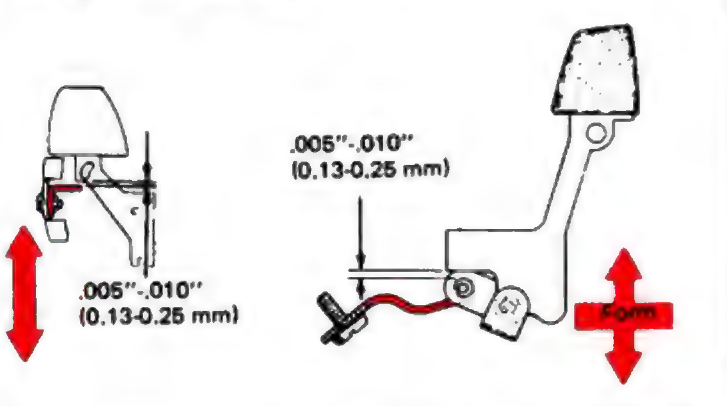
142 Spacebar Operating Cam (17-132)



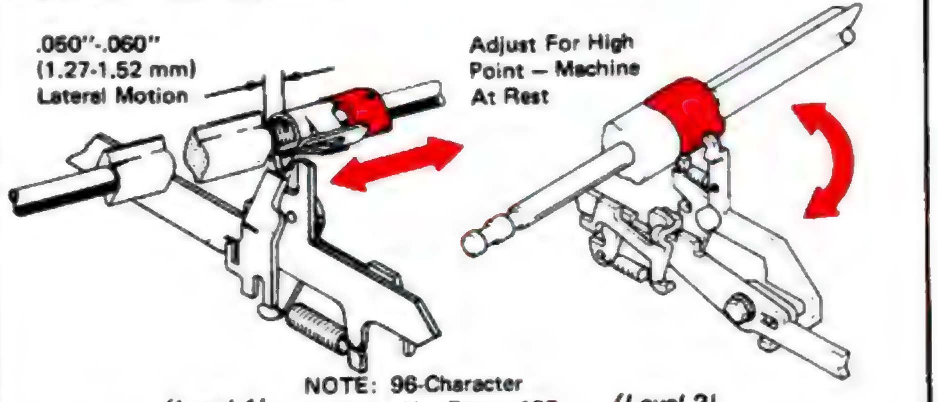
143 Repeat Stop (17-106) (17-148)



144 Spacebar Final Stop (17-119) (21-143)

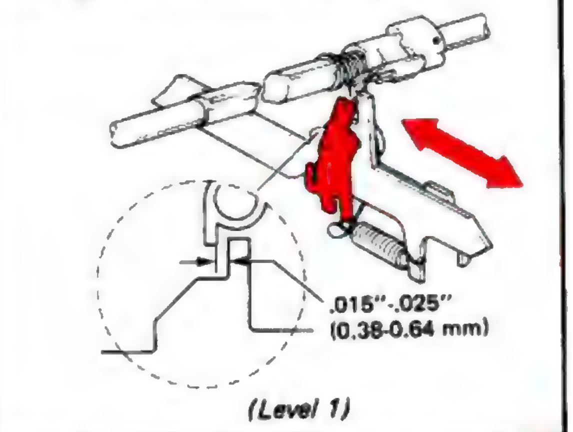


145 Interlock Cam (17-353)

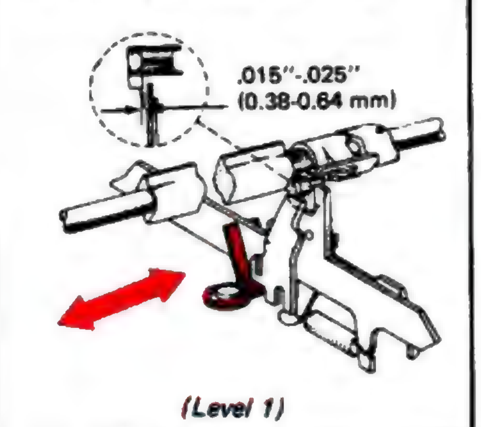


NOTE: 96-Character Machine, Use Frame 107.

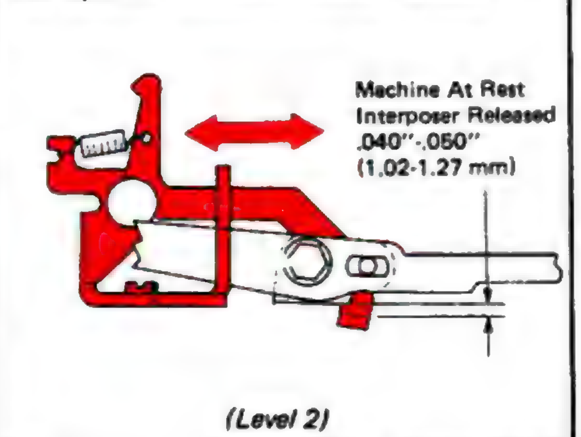
146 Spacebar Lockout (17-353)



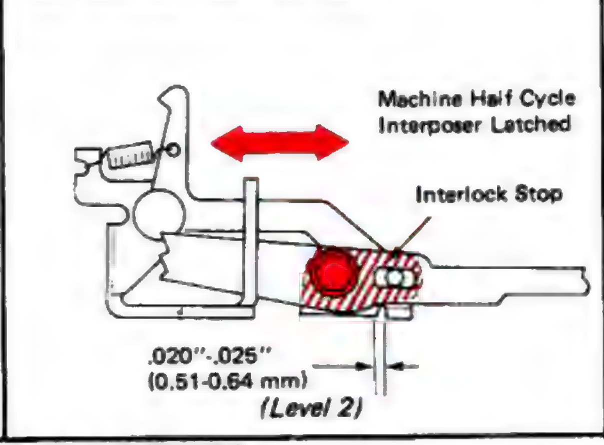
147 Interposer Guide (25-238)



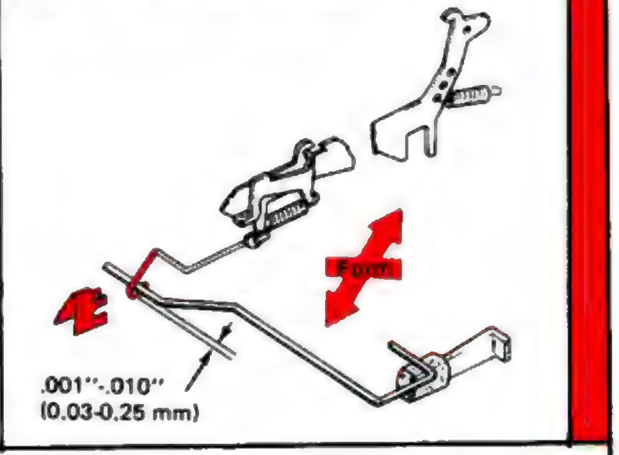
148 Spacebar Interlock Bracket (25-226)



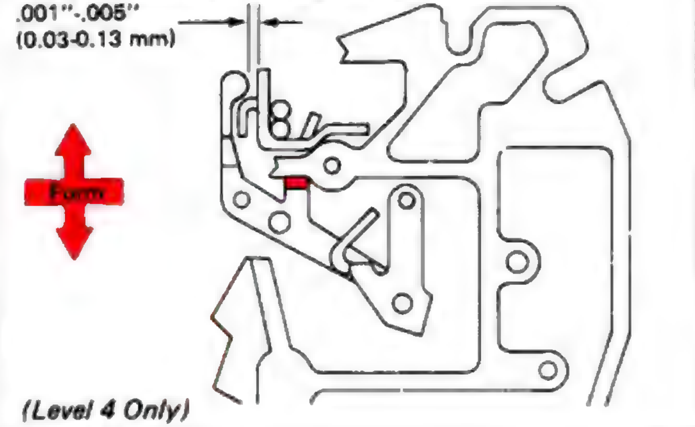
149 Interlock Stop (25-232)



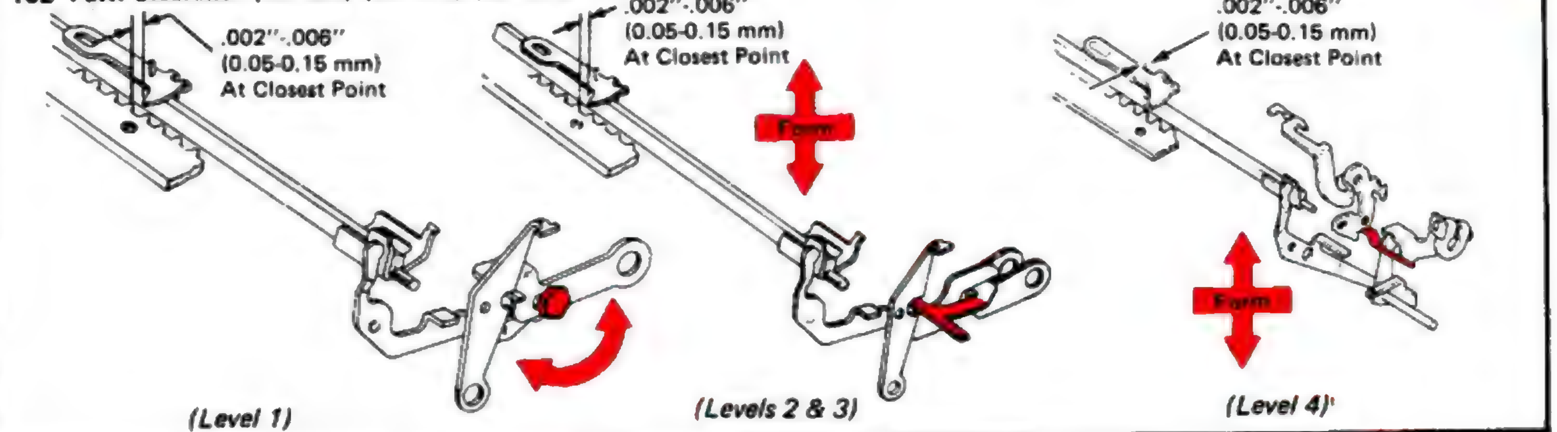
150 Space-To-Print Interlock (17-404)



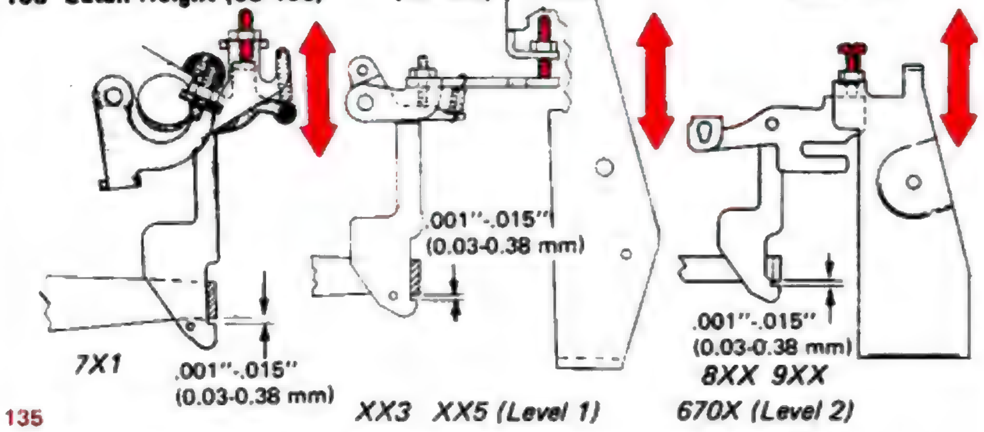
151 CR Latch Actuating Arm (03-203)



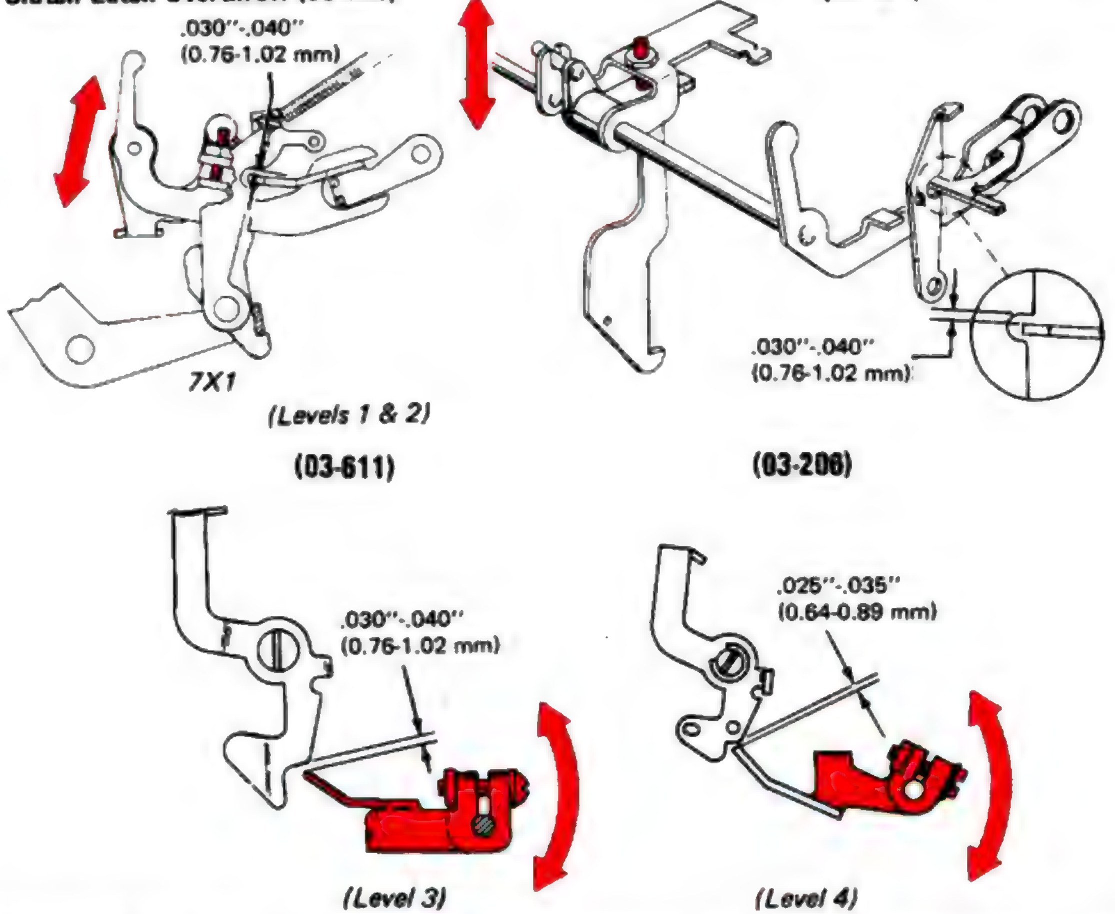
152 Pawl Clearance (03-420) (03-612) (03-203)



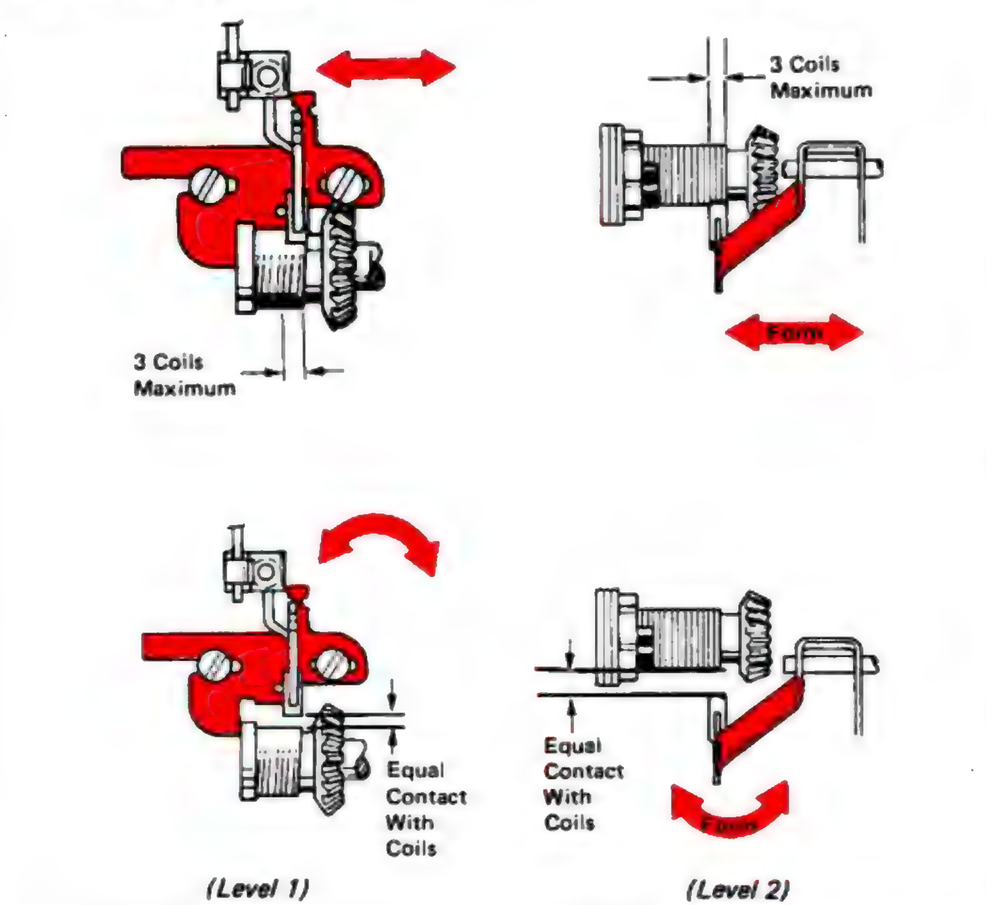
153 Latch Height (03-400)



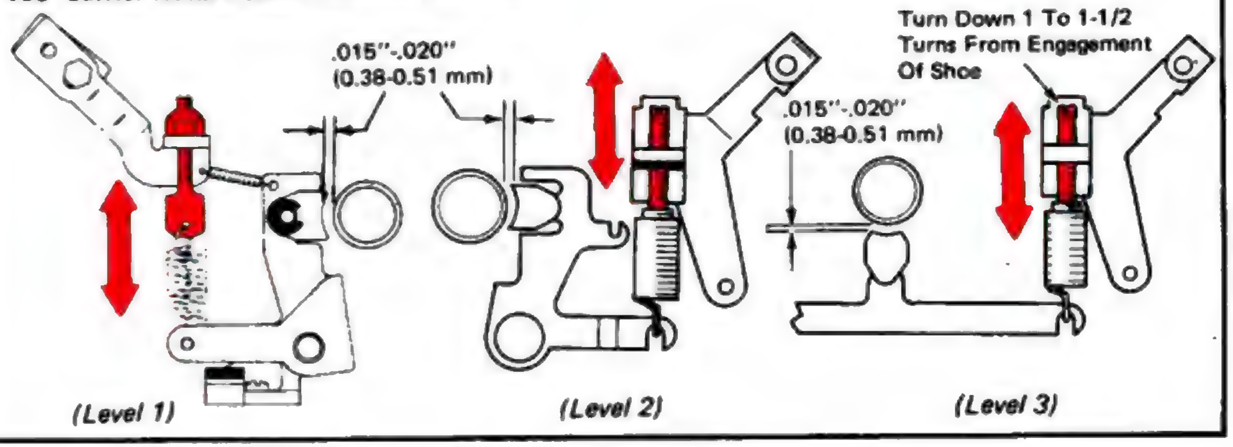
154 Clutch Latch Overthrow (03-580)



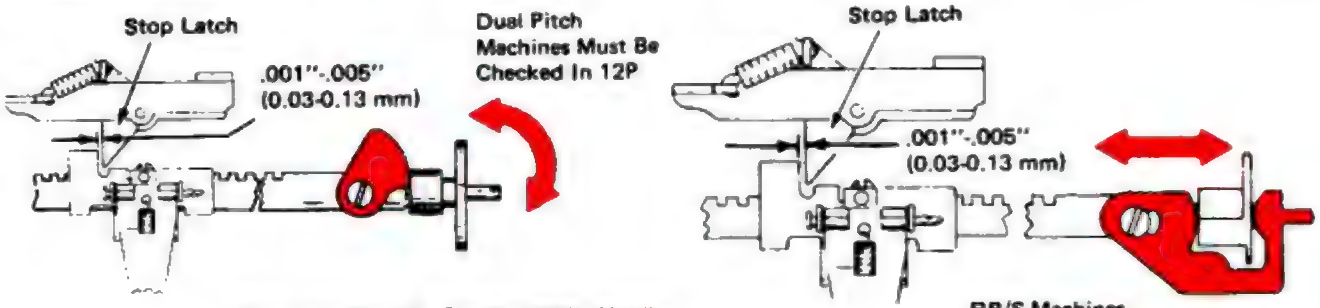
155 Shoe Overlap (03-500)



156 Carrier Return Shoe Clearance (03-502)



157 Overbank (09-6)



Dual Pitch Machines Must Be Checked In 12P

Adjustment Must Be Checked While Holding Carrier Stop Latch To Right

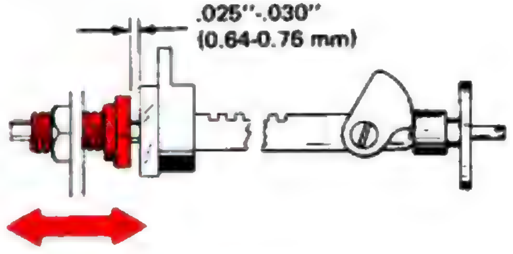
RB/S Machines Hold Rail To Right Remove Play In Rack To Left

344

(Level 1)

(Level 2)

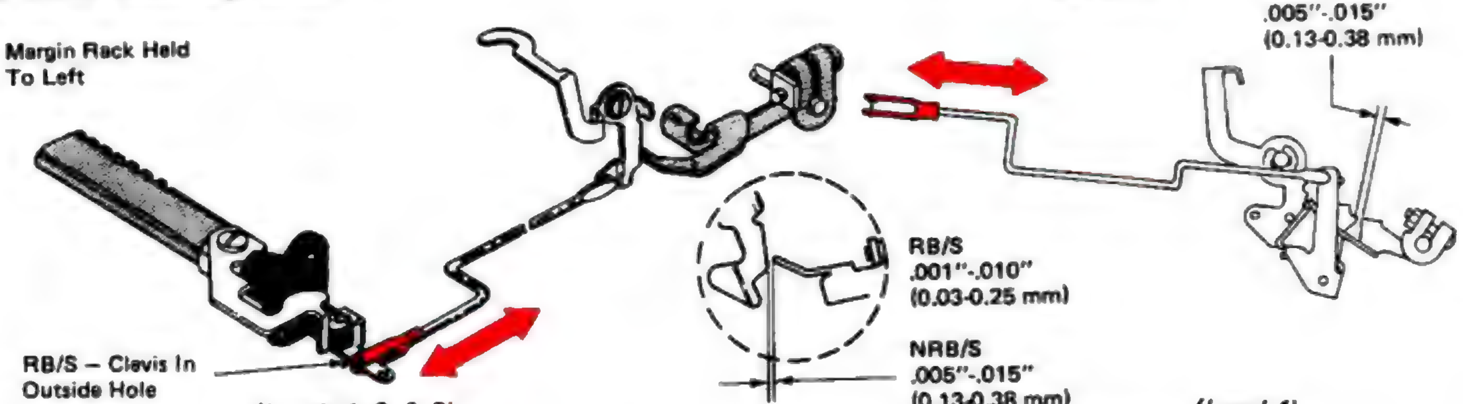
158 Overbank Motion (09-21)



(Level 1)

159 Clutch Unlatching (03-557)

(03-202)



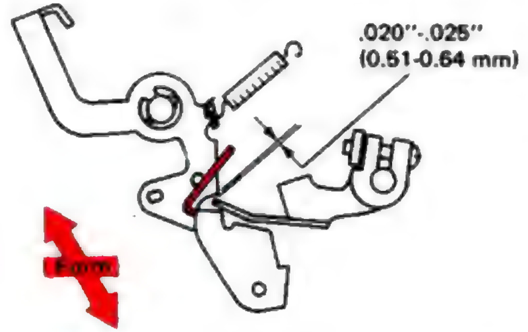
Margin Rack Held To Left

RB/S – Clevis In Outside Hole

(Levels 1, 2, & 3)

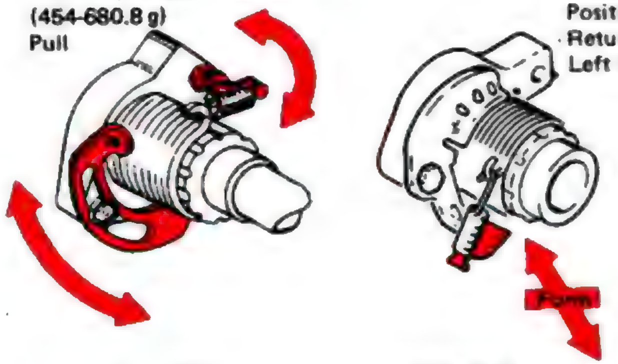
(Level 4)

160 Torque Bar Latch (03-207)



(Level 4 Only)

161 Torque Limiter (25-5)



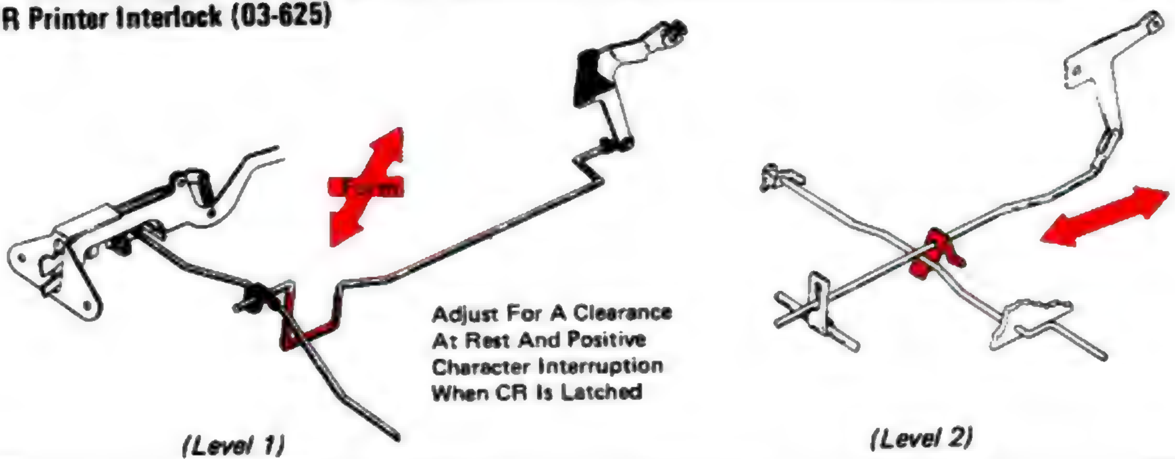
1 To 1-1/2 Lbs. (454-680.8 g) Pull

Adjust For Positive Carrier Return Near Left Margin

(Level 1)

(Level 2)

162 CR Printer Interlock (03-625)

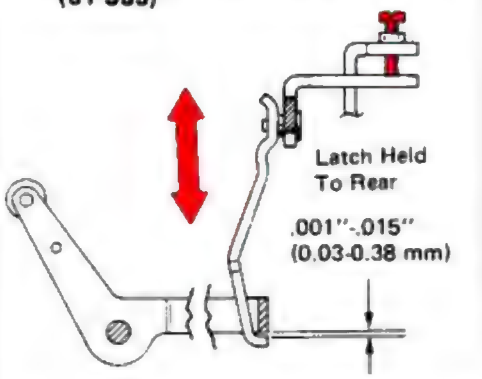


Adjust For A Clearance At Rest And Positive Character Interruption When CR Is Latched

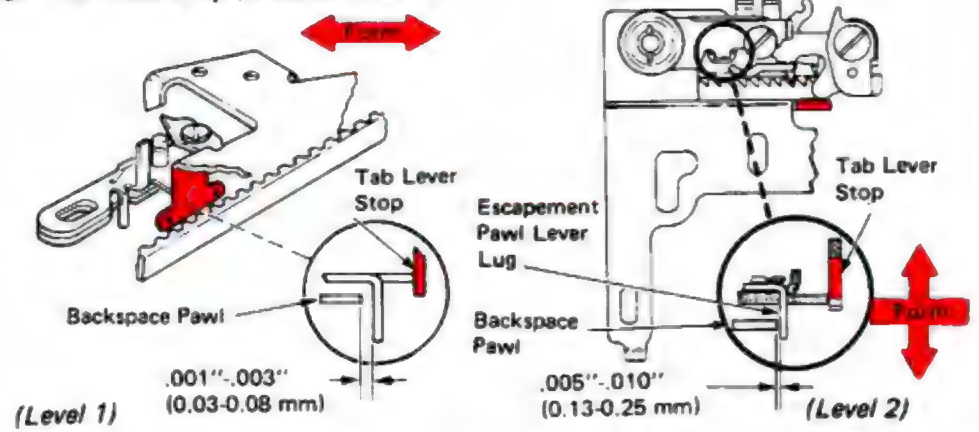
(Level 1)

(Level 2)

163 Backspace Latch Height (NRB/S) (01-309)

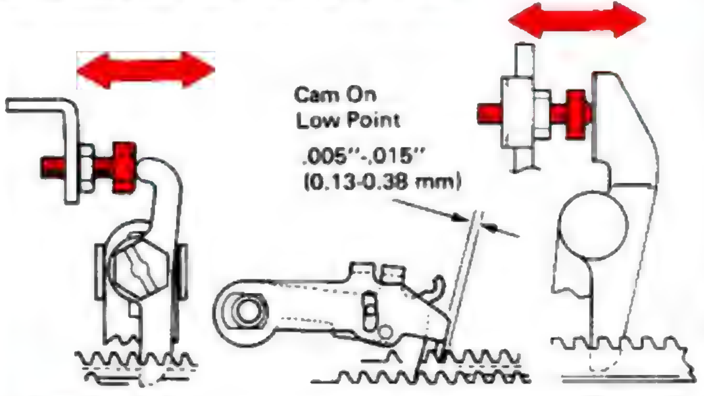


164 Tab Lever Stop (NRB/S) (01-314) (07-4)



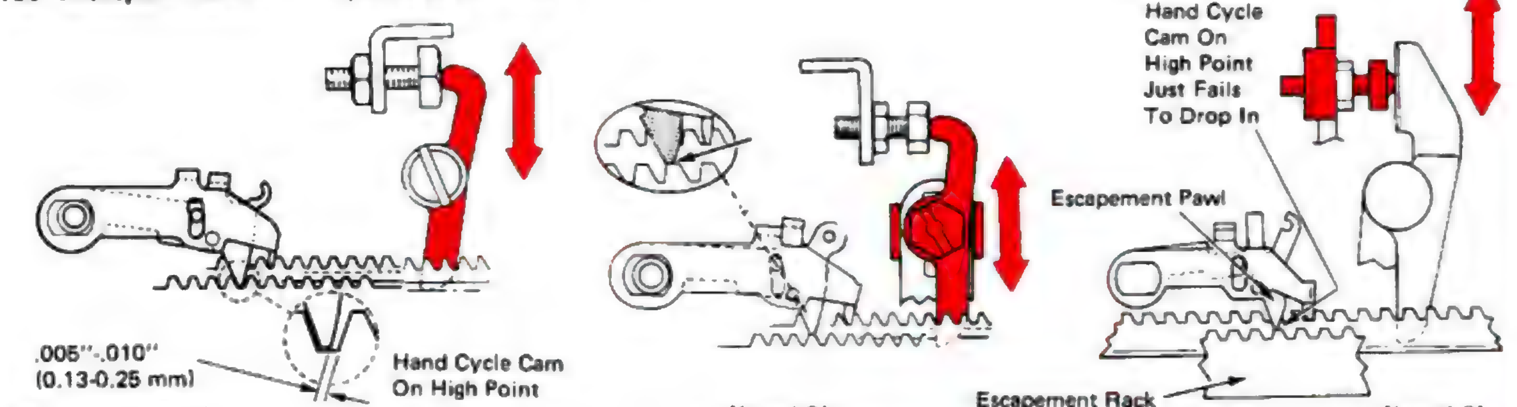
(Level 1) *(Level 2)*

165 Backspace Rack (NRB/S) (01-307)



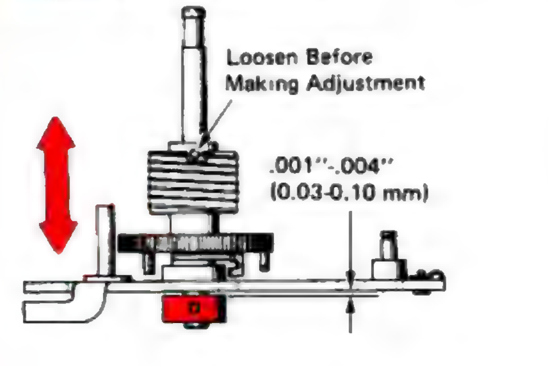
(Levels 1 & 2) *(Level 3)*

166 Backspace Rack Motion (NRB/S) (01-329)



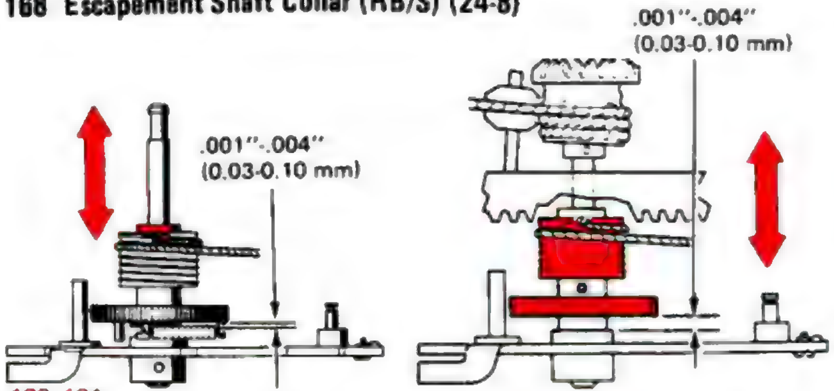
165 *(Level 1)* *(Level 2)* *(Level 3)*

167 Mainspring Hub (RB/S) (19-13)



122, 124 *(Level 1)* *(All Steel Transport)*

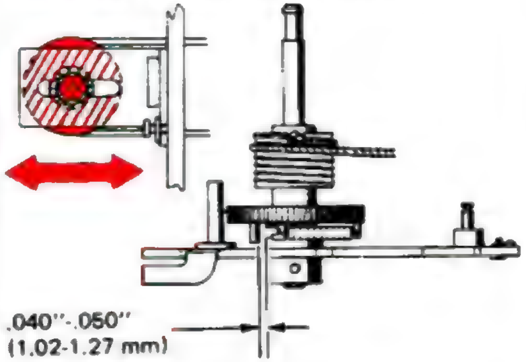
168 Escapement Shaft Collar (RB/S) (24-8)



122, 124

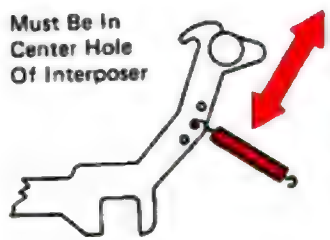
(Level 1 – All Steel Transport) *(Level 2 – Dual Transport)*

169 Cable Tension (RB/S) (19-23)

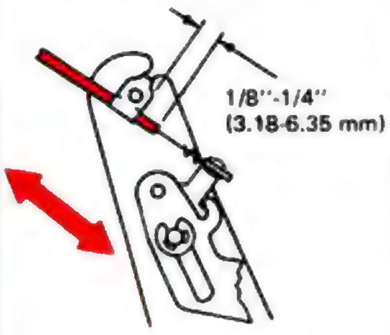


(Level 1 – All Steel Transport)

170 Rotary Backspace (25-210) Interposer Spring

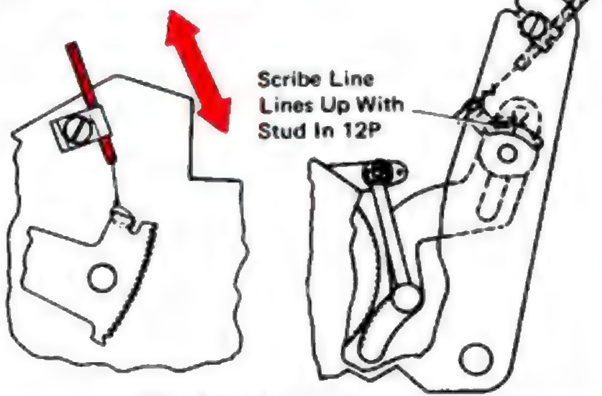


171 Pitch Cam Cable Cover (24-37)

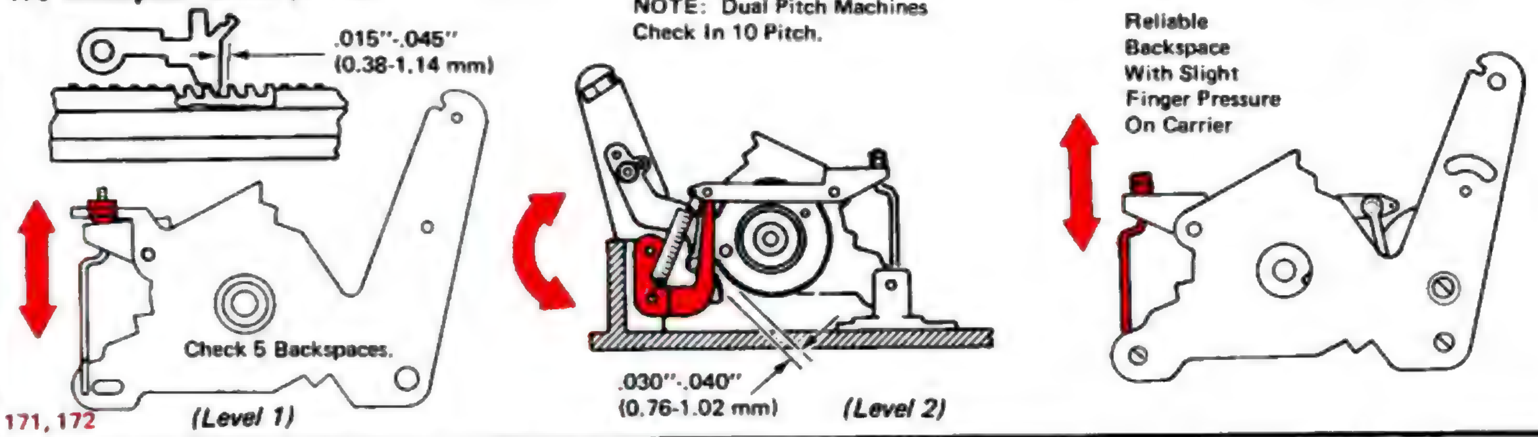


(Dual Pitch Only)

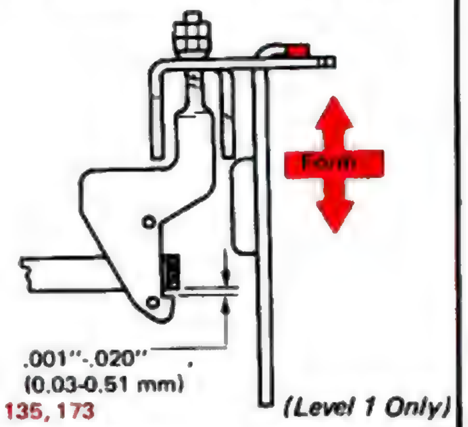
172 Pitch Cam (24-37)



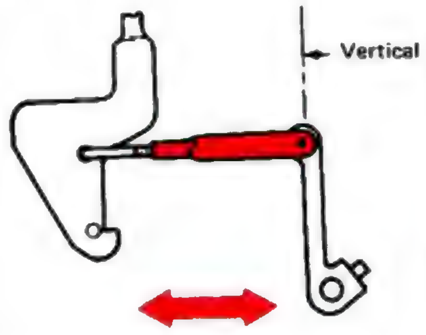
173 Backspace Motion (24-26)



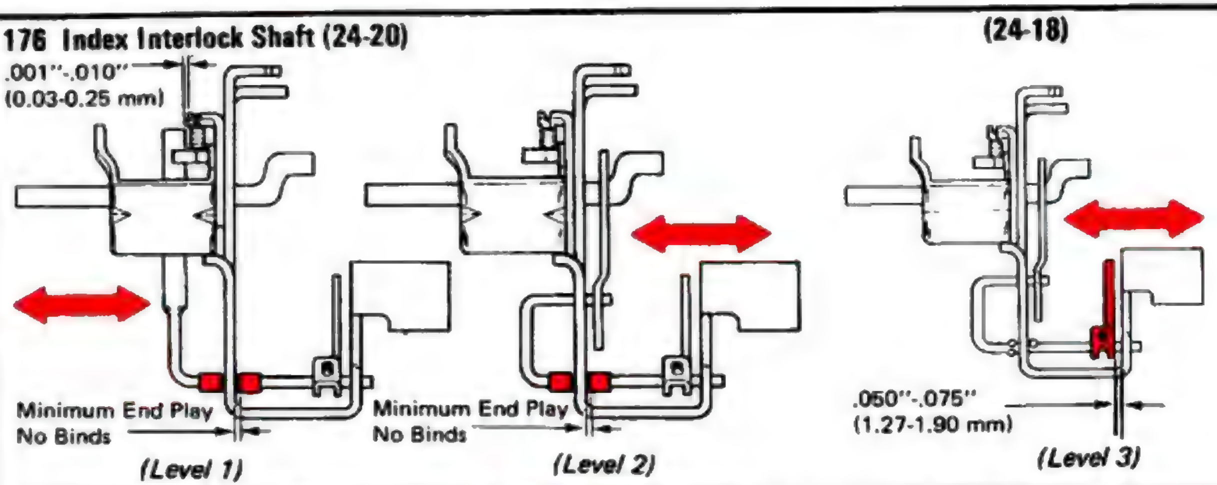
174 Backspace Latch Height (24-15)



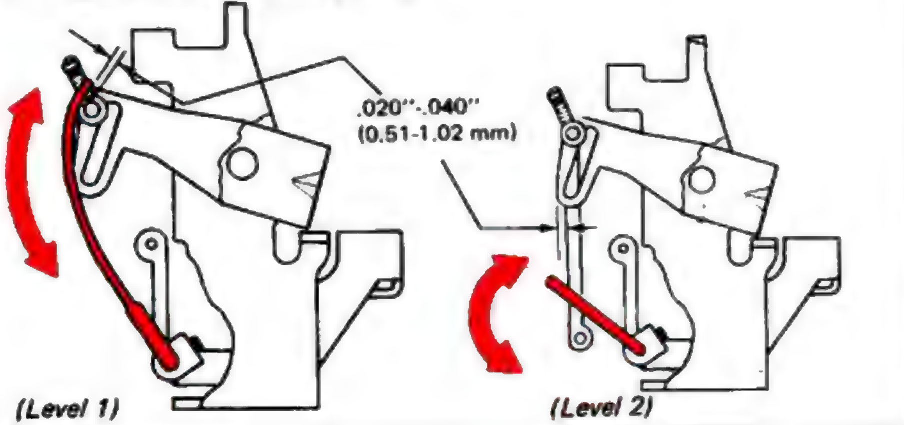
175 Index Interlock Link (24-16)



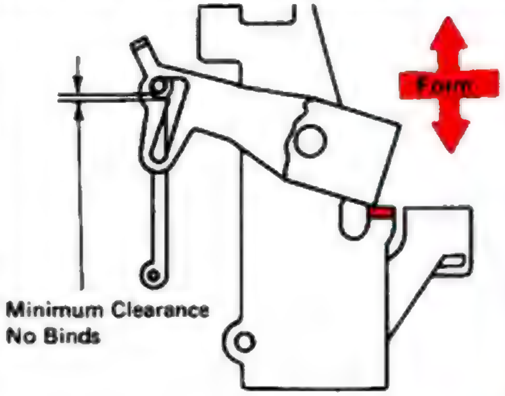
176 Index Interlock Shaft (24-20)



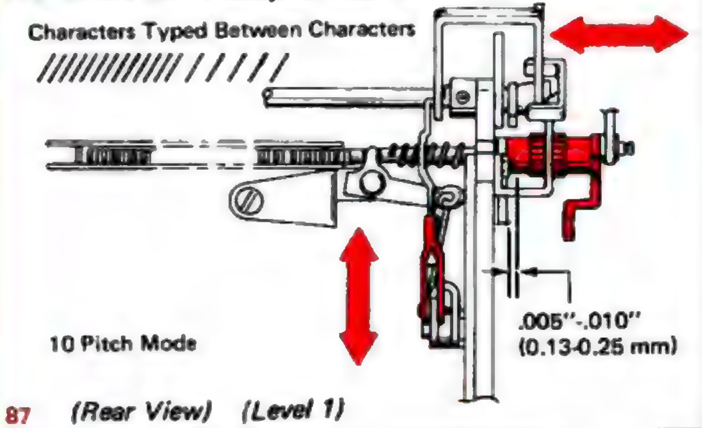
177 Index Interlock Paddle (24-20)



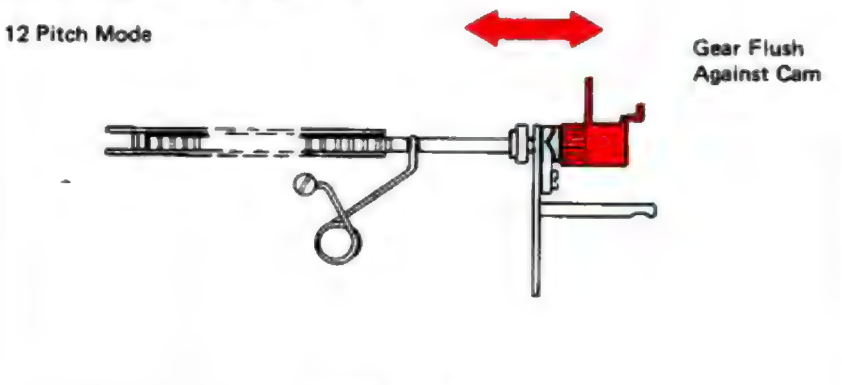
178 Index Transfer Bellcrank Stop Lug (24-9)



179 Lower Half Backspace Link (07-7)

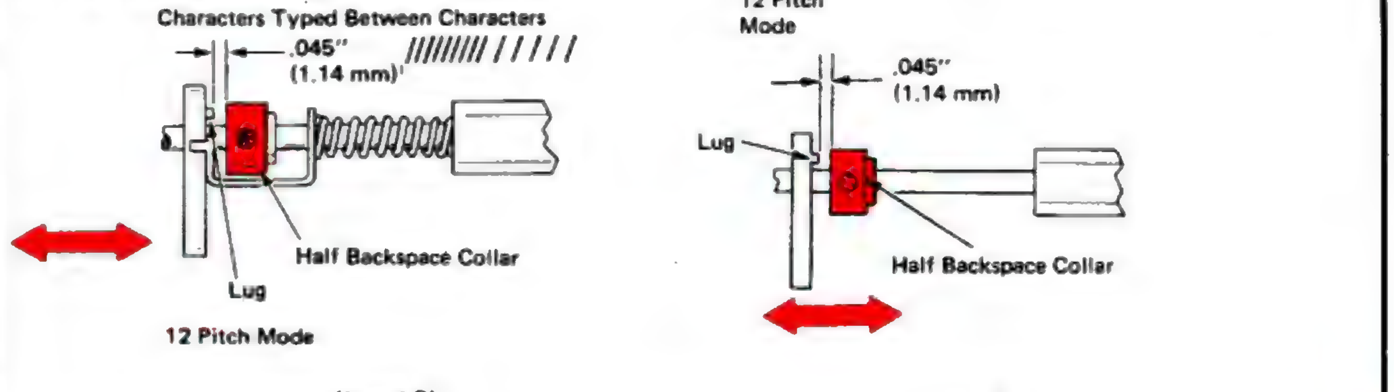


180 Switch Pitch Gear (07-23)



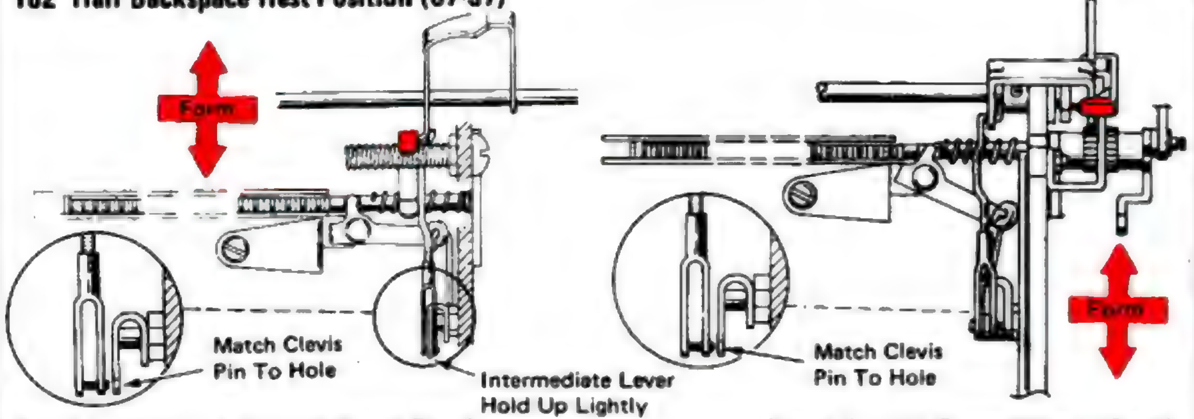
(Levels 2 & 3)

181 Half Backspace Collar (07-105)



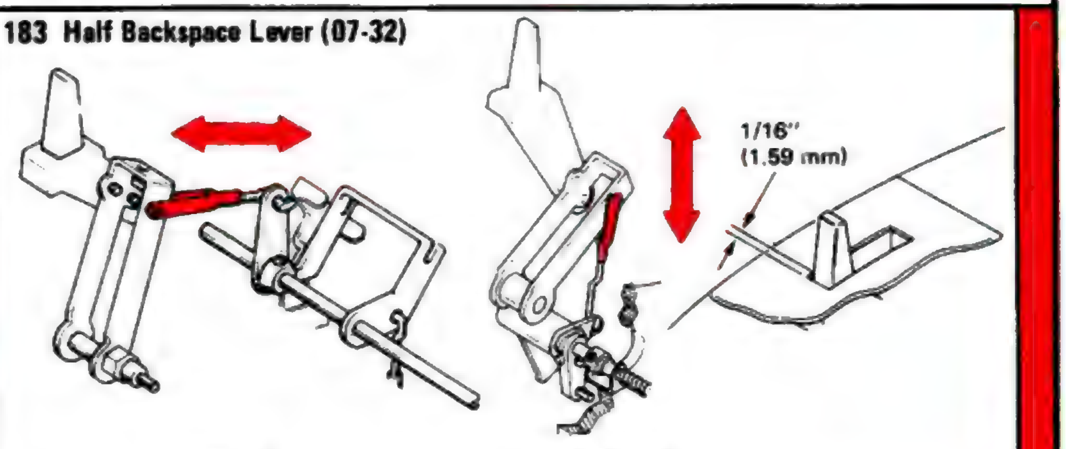
(Level 2) *(Level 3)*

182 Half Backspace Rest Position (07-37)



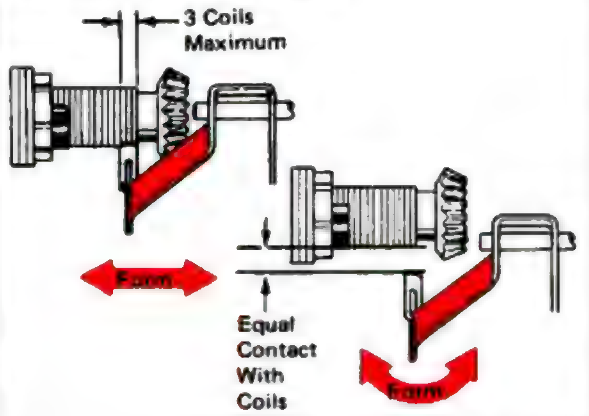
(Level 1 — Pre- "A-Frame" Paper Feed) *(Level 1 — "A-Frame" Paper Feed)*

183 Half Backspace Lever (07-32)

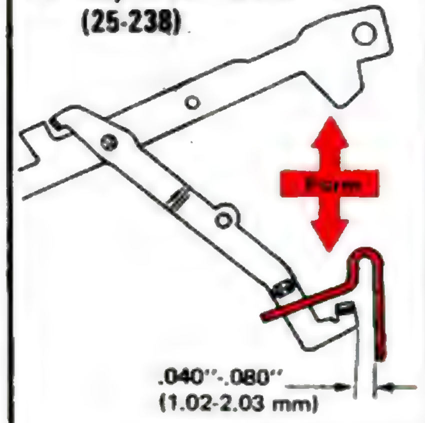


(Level 1) *(Levels 2 & 3)*

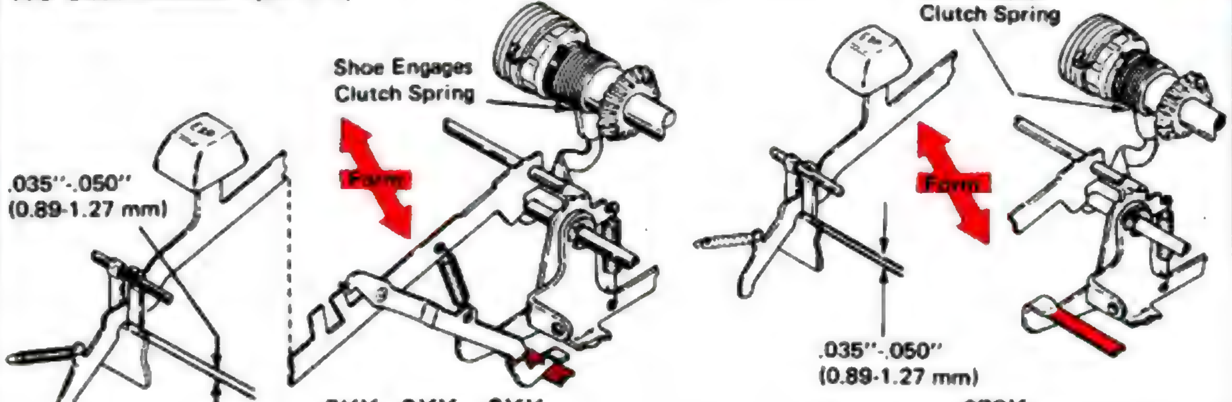
184 Shoe Overlap (24-105)



185 Keylever Pawl Guide (25-238)

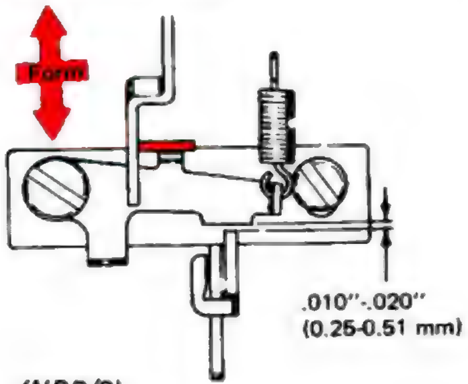


186 Shoe Clearance (24-111)



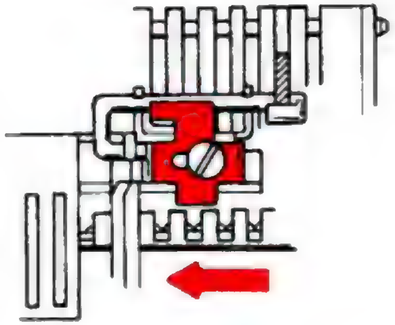
7XX 8XX 9XX *670X*

187 Keylever Pawl (24-102)



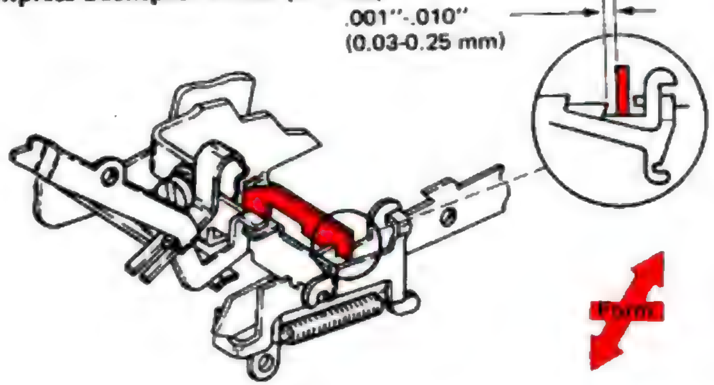
(NRB/S)

188 Keylever Pawl (24-205)



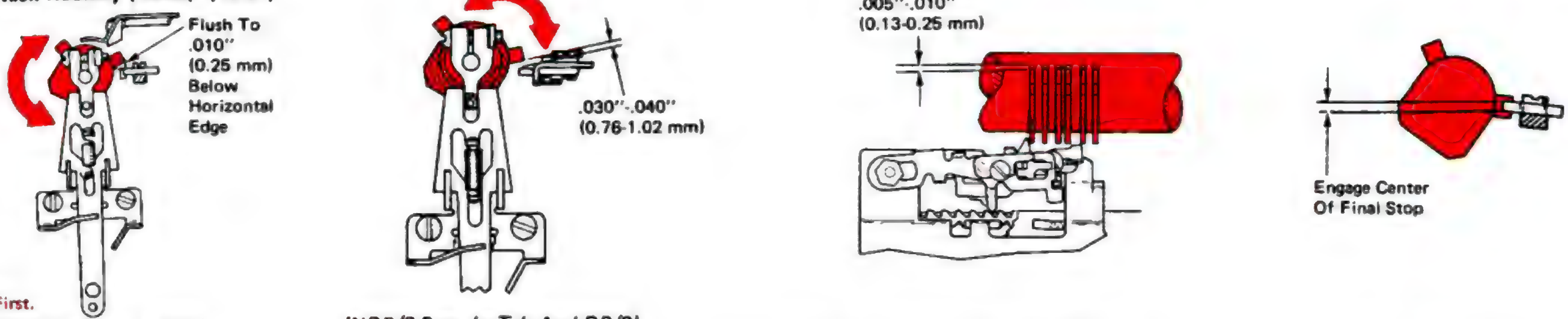
670X

189 Express Backspace Latch (24-102)



(NRB/S)

190 Tab Rack Radially (18-35) (19-31)



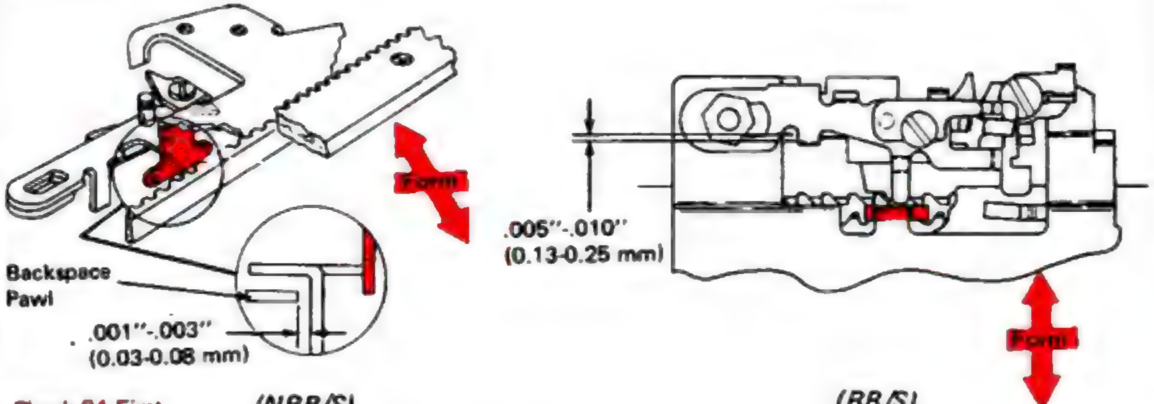
Check 95 First.

(NRB/S Pre-Snap In Tab)

(NRB/S Snap In Tab And RB/S)

191 Tab Lever Stop (18-153)

(19-69)



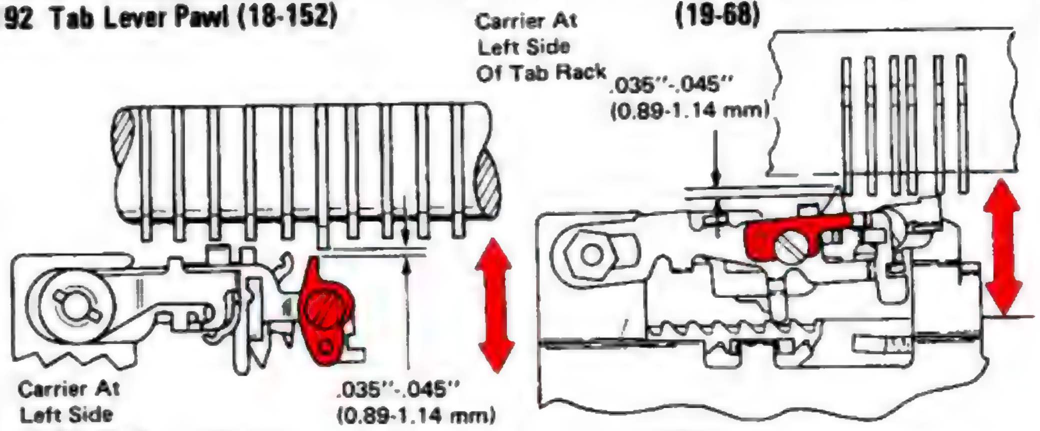
Check 94 First.

(NRB/S)

(RB/S)

192 Tab Lever Pawl (18-152)

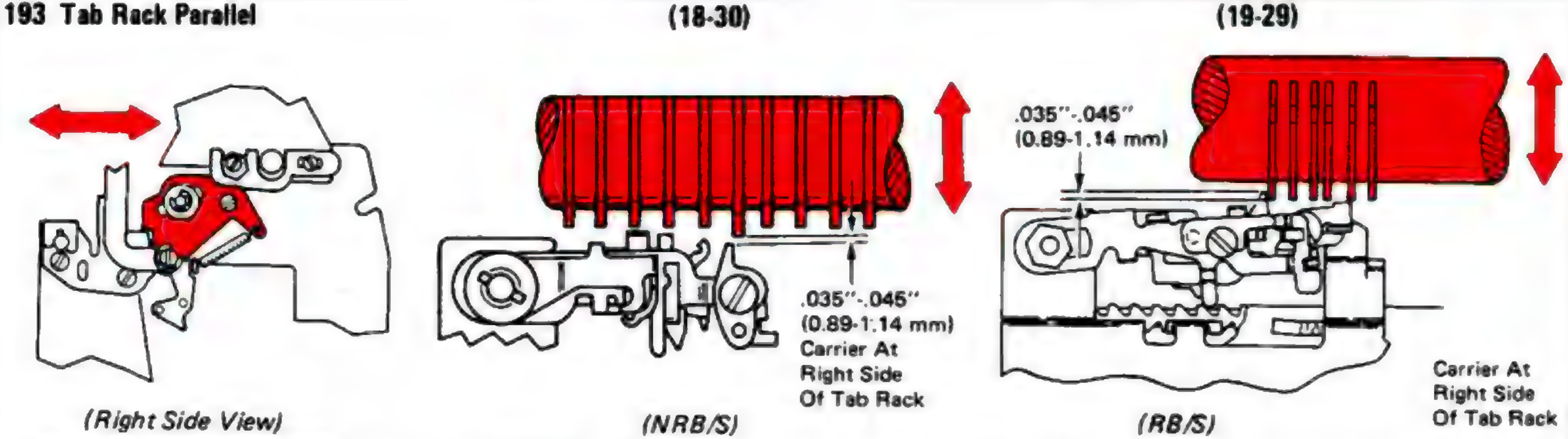
(19-68)



(NRB/S)

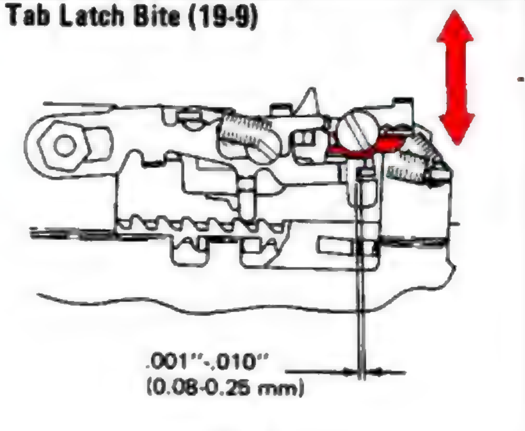
(RB/S)

193 Tab Rack Parallel



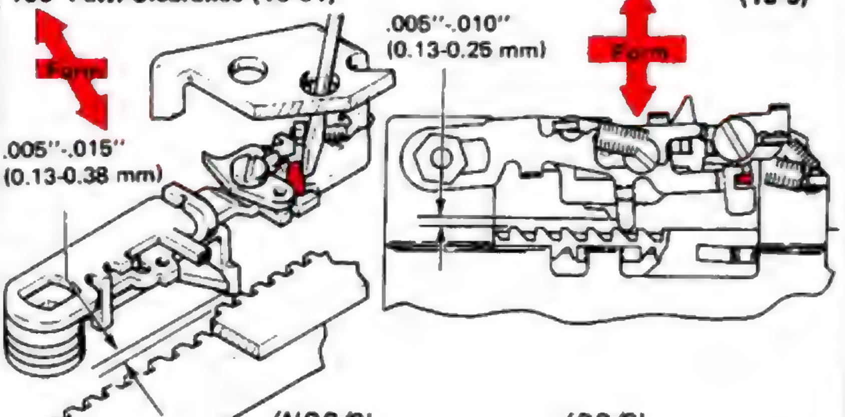
(Right Side View) *(NRB/S)* *(RB/S)*

194 Tab Latch Bite (19-9)



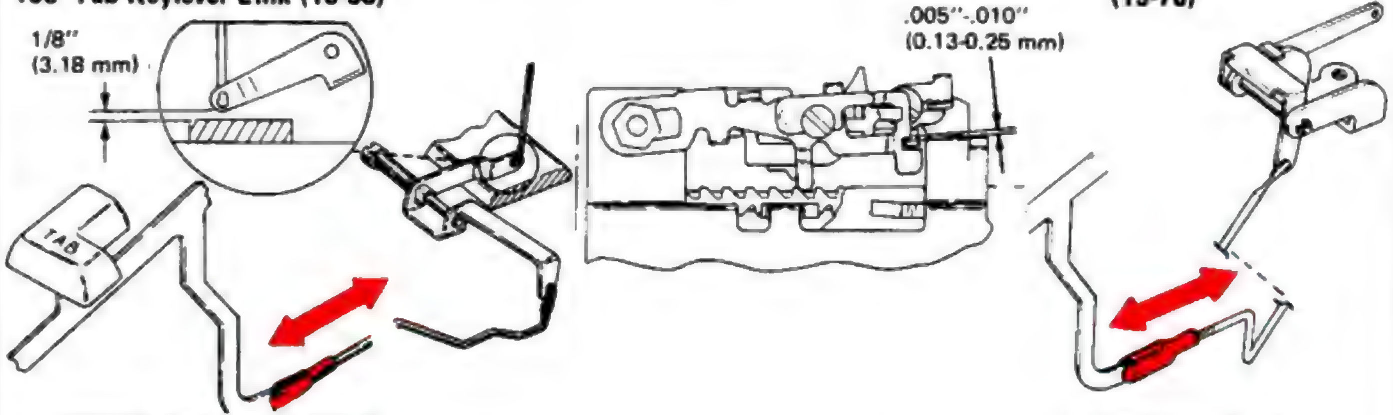
(RB/S)

195 Pawl Clearance (18-81)



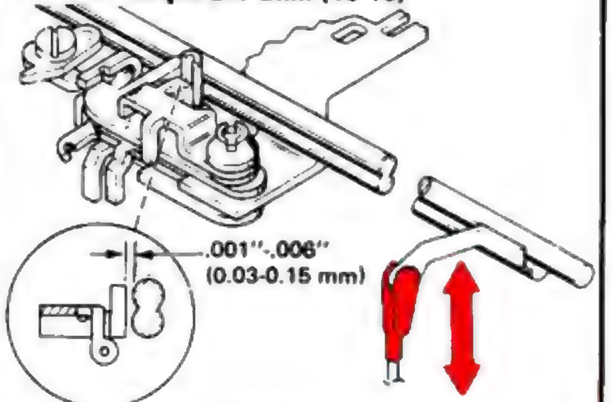
(NRB/S) *(RB/S)*

196 Tab Keylever Link (18-58)



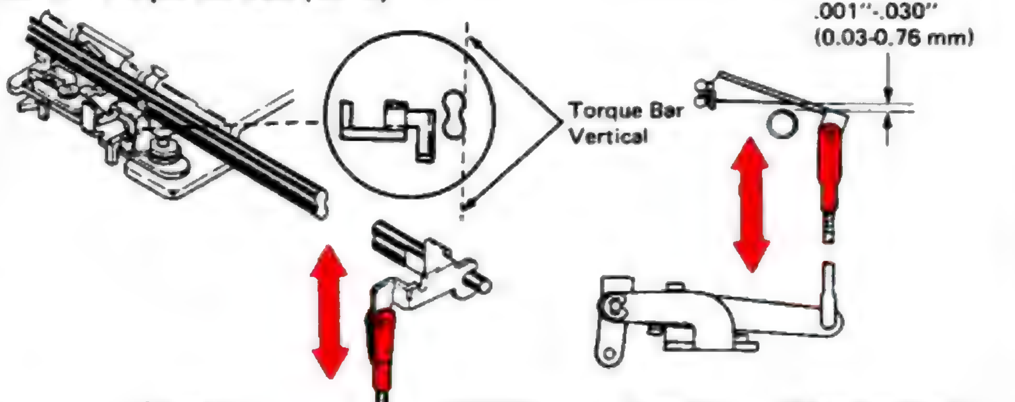
(NRB/S And Level 1 RB/S) *(Level 2 – RB/S)*

197 Tab Torque Bar Link (18-19)



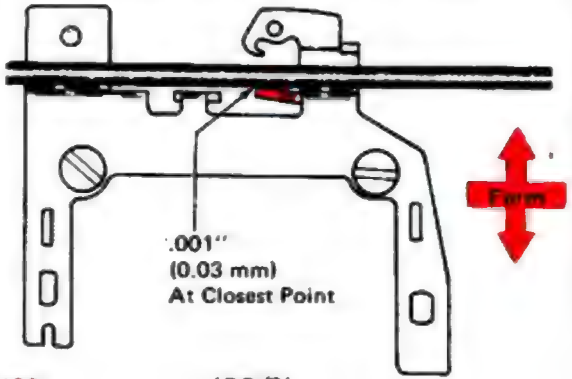
(NRB/S)

198 Tab Torque Bar Link (19-47)



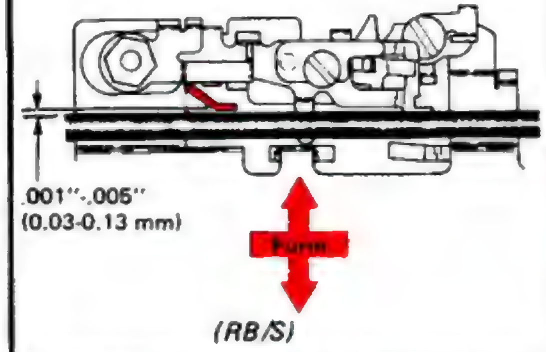
(Level 1) *(RB/S)* *(Level 2)* *(Right Side View)*

199 Tab Torque Bar Backup Lug (07-001)

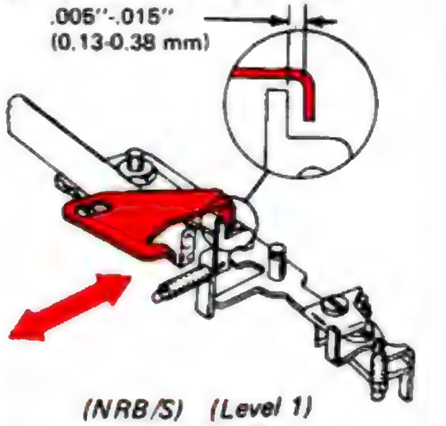


196 *(RB/S)*

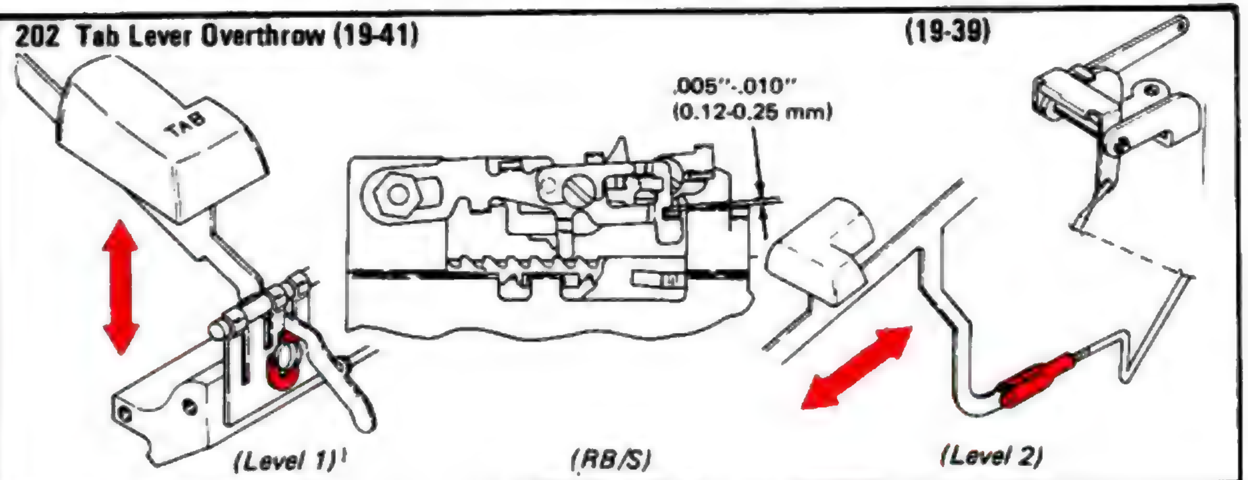
200 Tab Trigger (19-71)



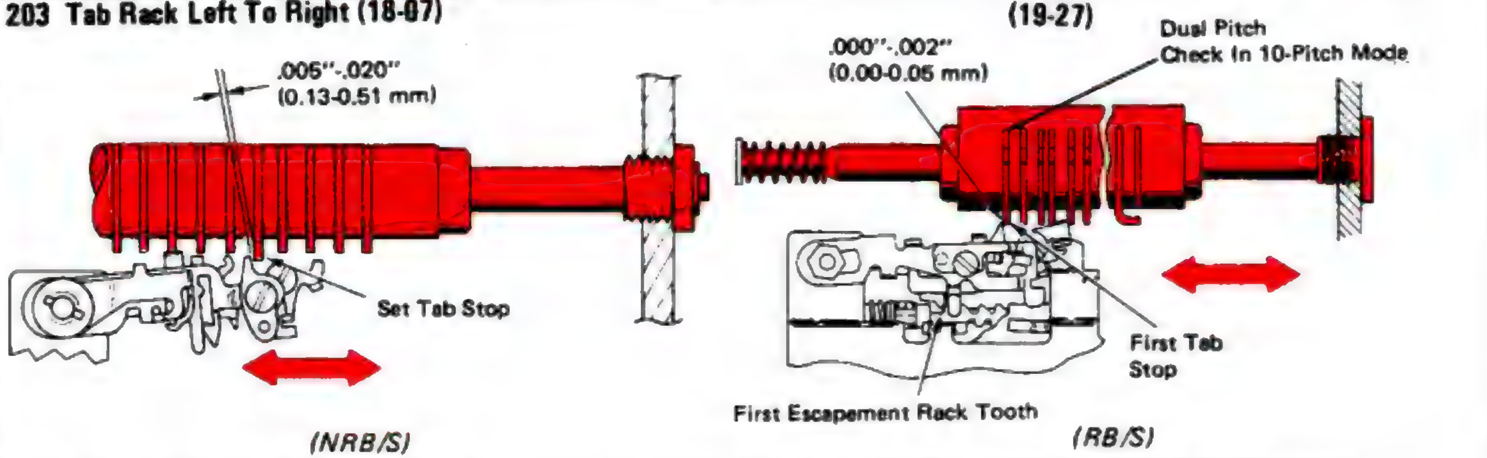
201 Overthrow Stop (18-91)



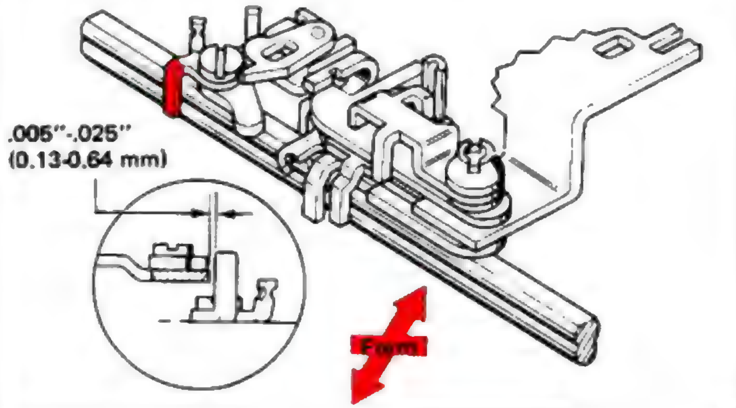
202 Tab Lever Overthrow (19-41)



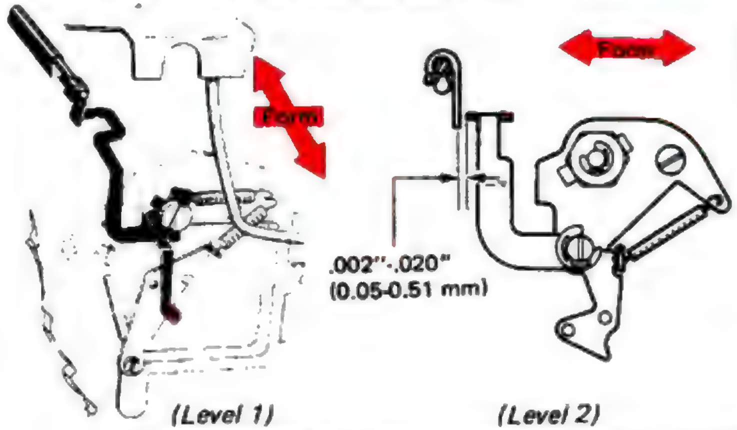
203 Tab Rack Left To Right (18-07)



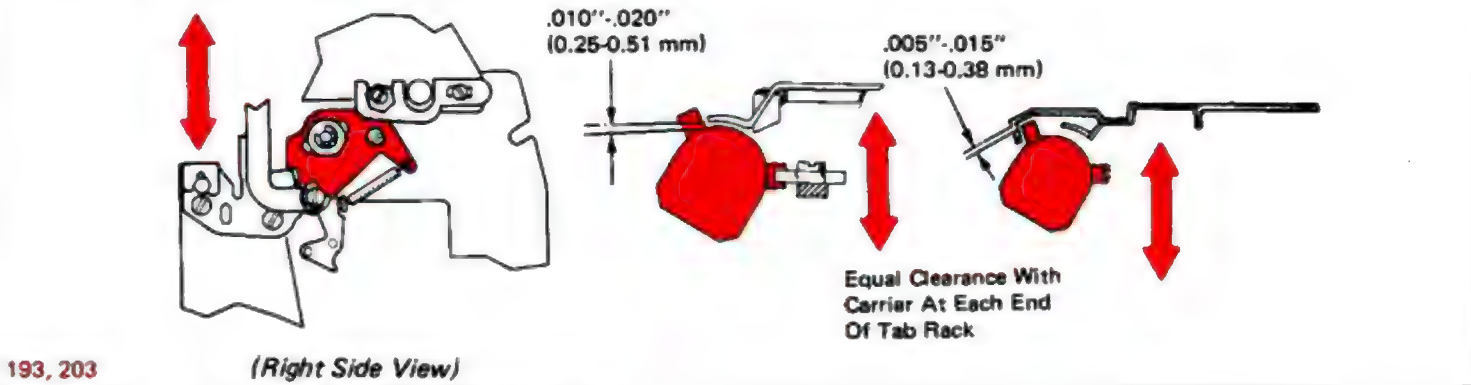
204 Tab Interlock (18-81) (19-9)



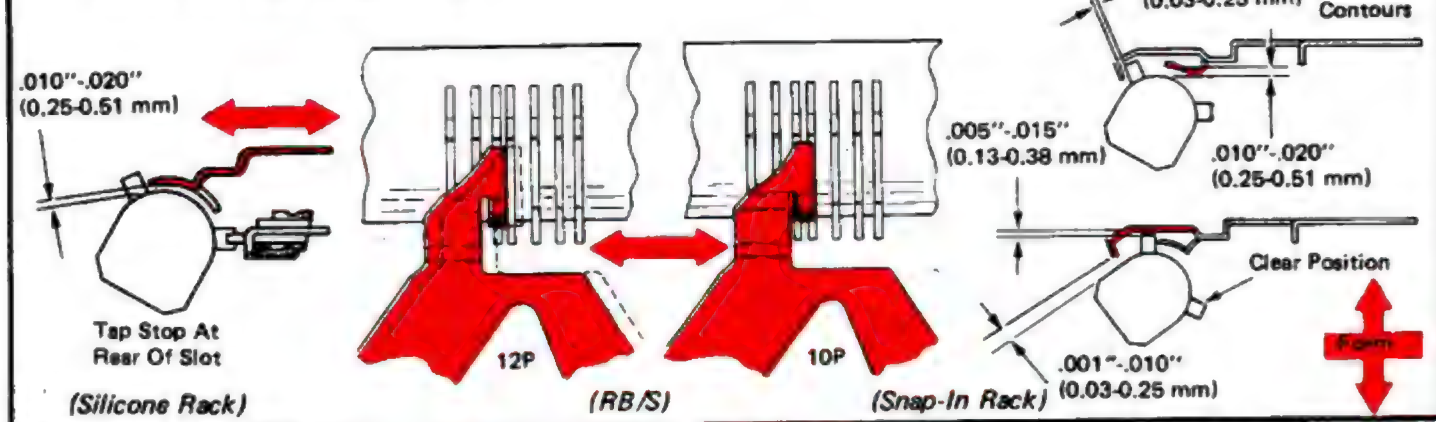
205 Carrier Return Tab Interlock (03-575)



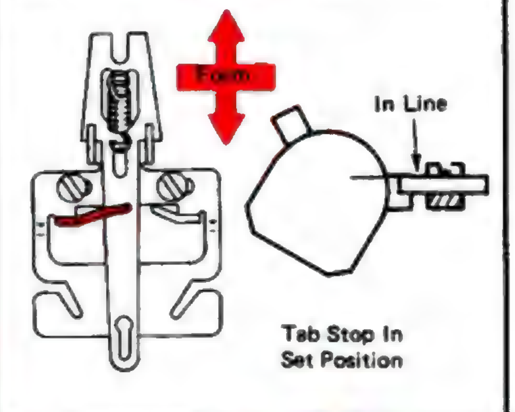
206 Tab Rack Vertical (18-30) (19-29)



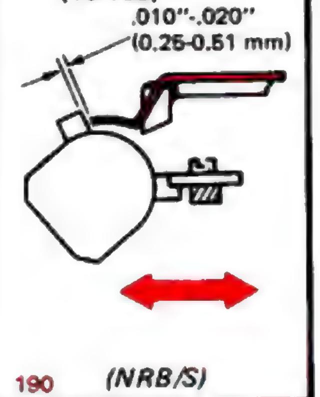
207 Tab Set And Clear Bracket (19-2)



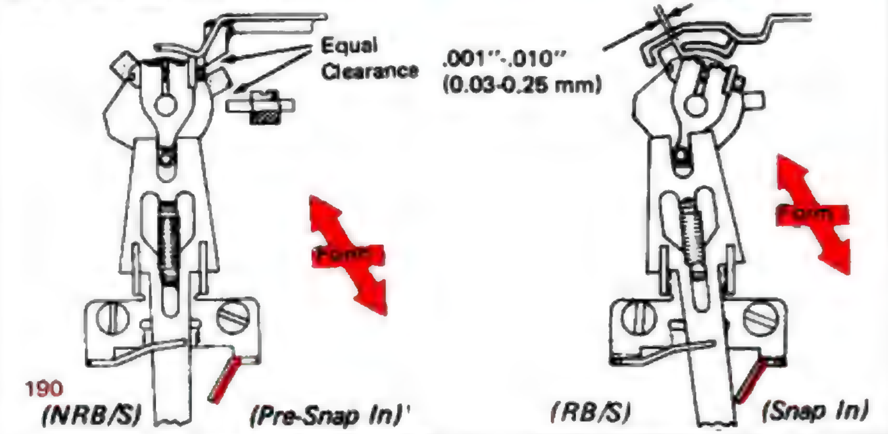
208 Tab Set (18-16) (19-55)



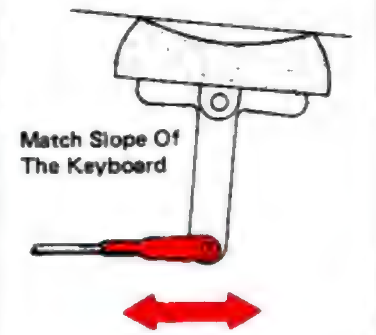
209 Tab Clear Bracket (18-132)



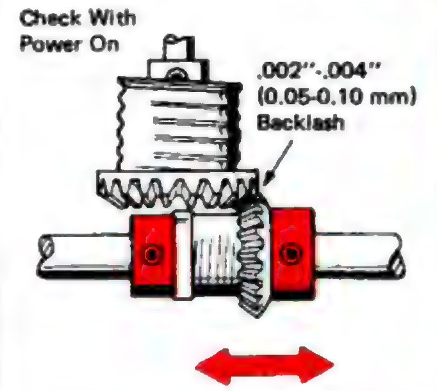
210 Tab Clear (18-16)



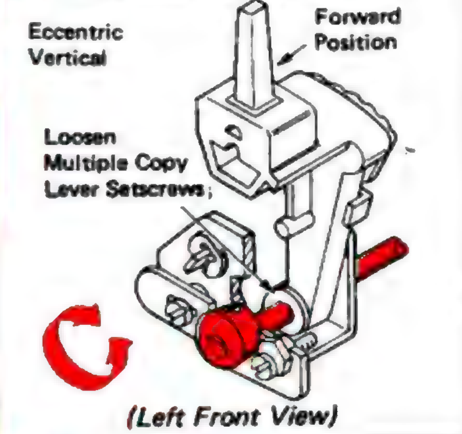
211 Tab Set And Clear Link (19-54) (18-20)



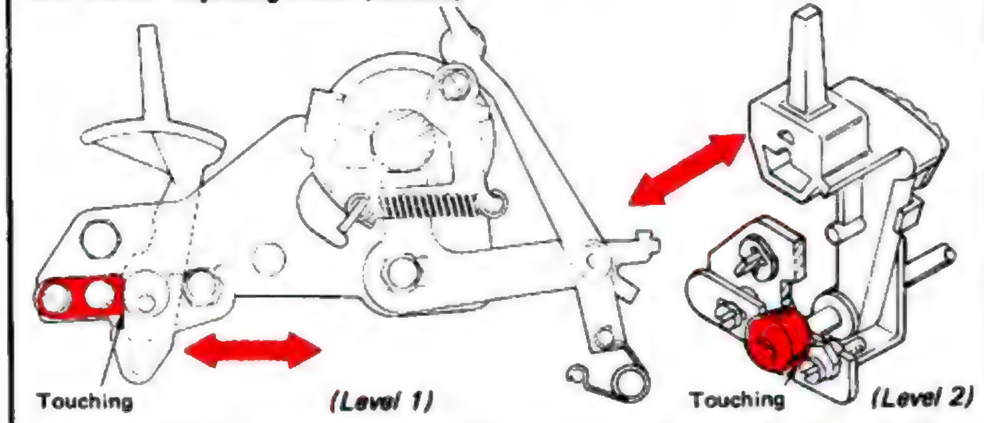
212 Tab Pinion Backlash (25-20)



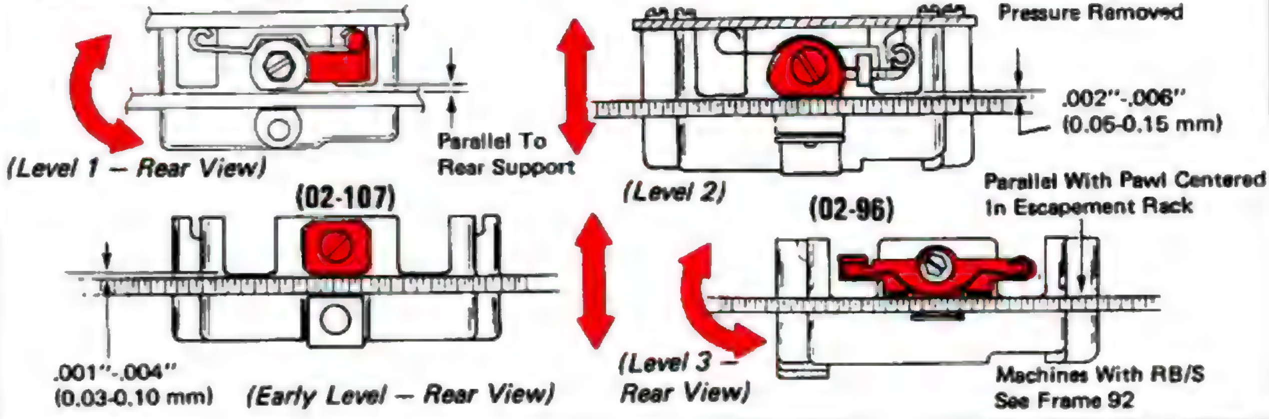
213 Copy Control Lever (22-254)



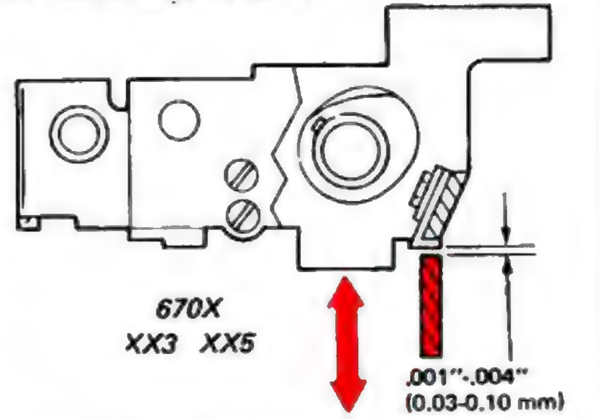
214 Platen Adjusting Plates (22-252)



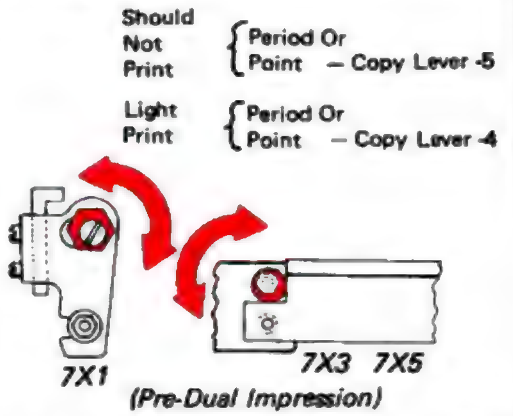
215 Carrier Shoe (02-119)



216 Carrier Support (02-8)

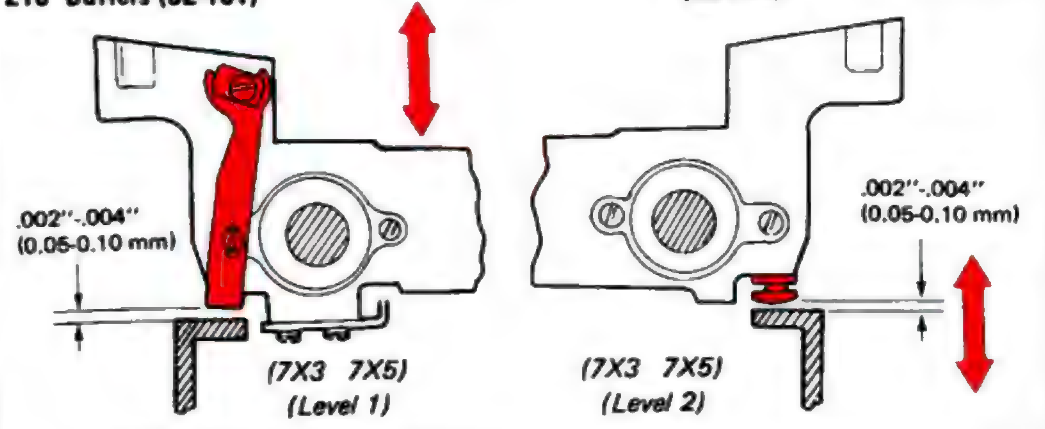


217 Anvil (02-008)

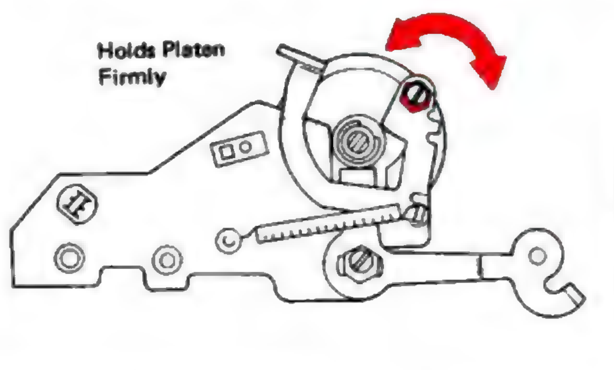

Should Not Print { Period Or Point – Copy Lever -5
Light Print { Period Or Point – Copy Lever -4
7X1
7X3 7X5
(Pre-Dual Impression)

218 Buffers (02-101)

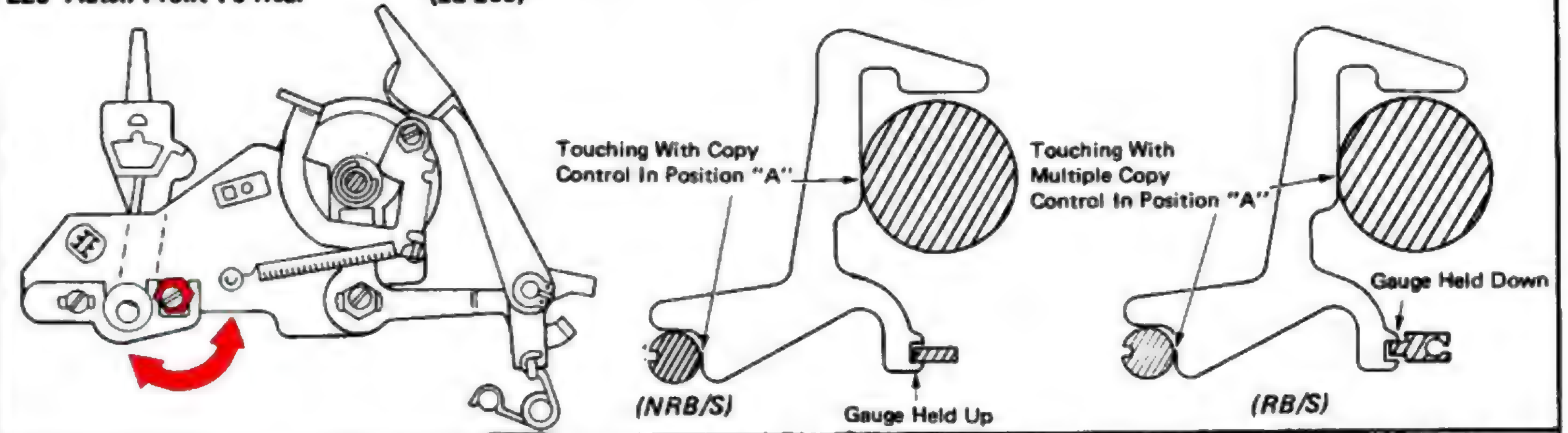
(02-105)



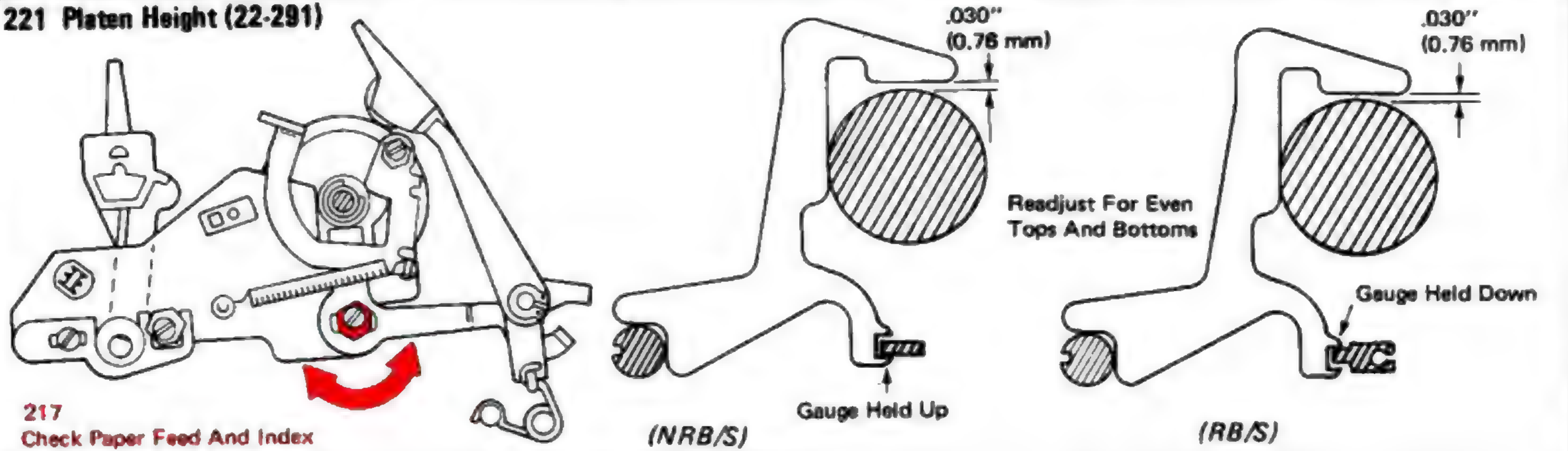
219 Platen Latches (22-293)



220 Platen Front To Rear (22-253)

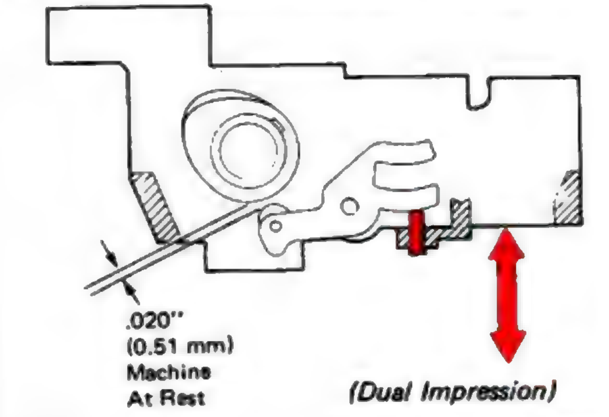

Touching With Copy Control In Position "A"
(NRB/S)
Gauge Held Up
Touching With Multiple Copy Control In Position "A"
Gauge Held Down
(RB/S)

221 Platen Height (22-291)

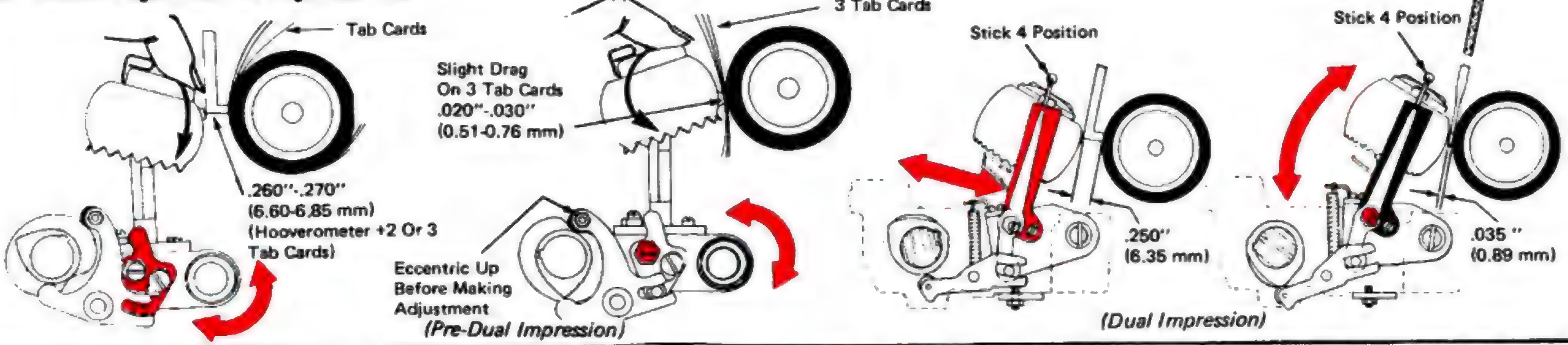


217
Check Paper Feed And Index

222 Print Cam Follower Stop Screw (02-205)



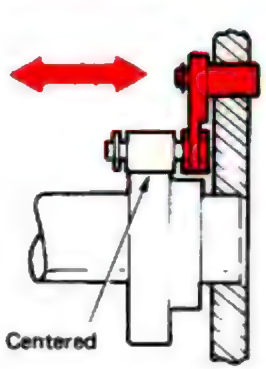
223 Powered Flight And Free Flight (02-160)



(Pre-Dual Impression)

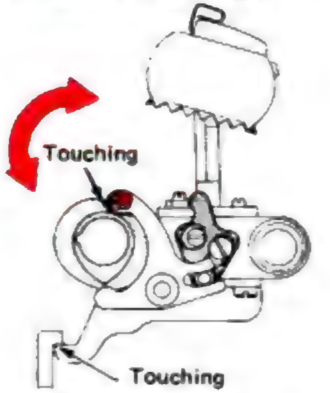
(Dual Impression)

224 Print Cam Follower (02-165)



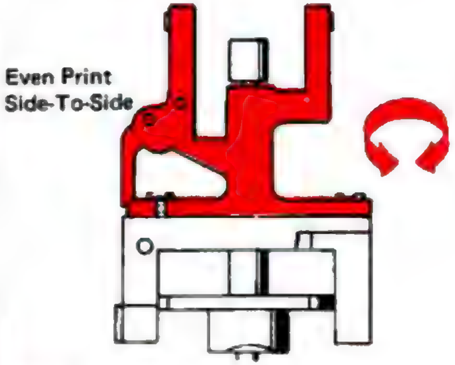
(Pre Dual Impression)

225 Cam Follower Restoring (02-165)



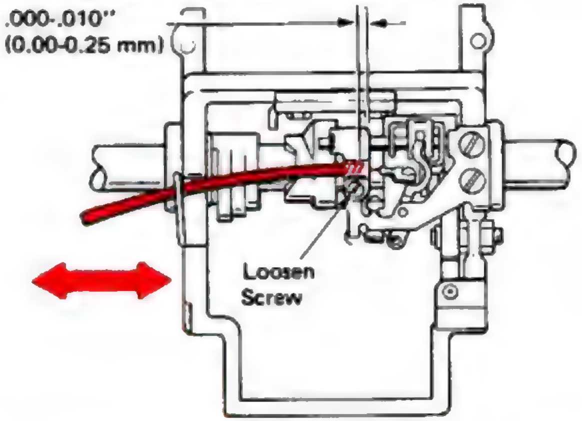
(Pre-Dual Impression)

226 Yoke (02-520)

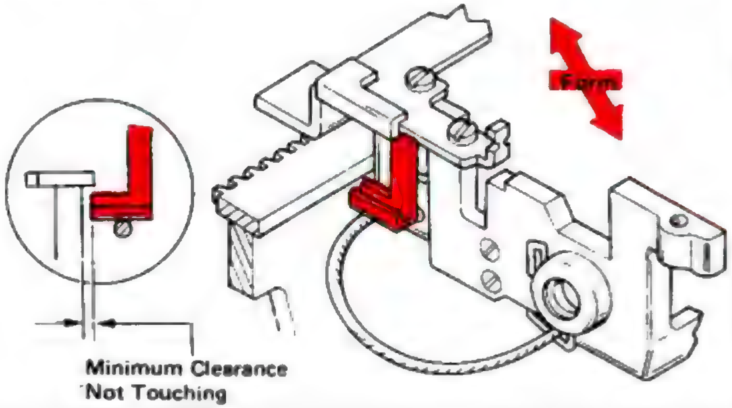


69, 77

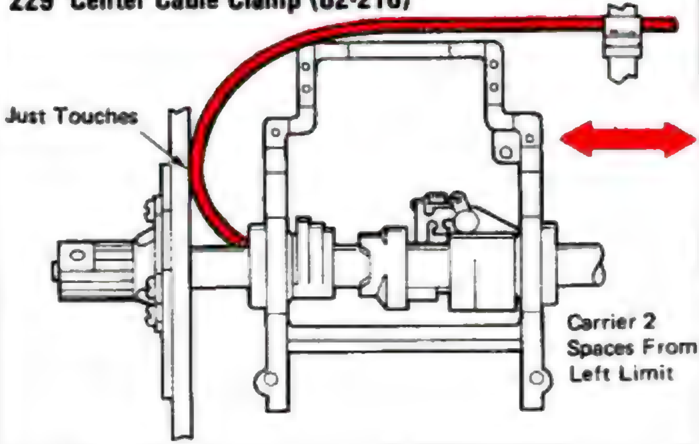
227 Velocity Control Cable Clamp (02-216)



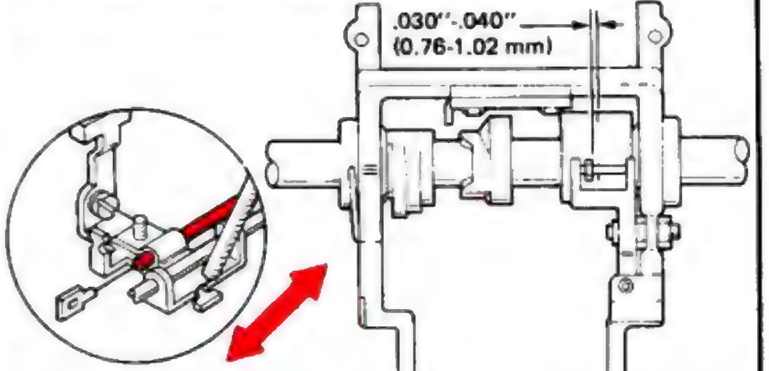
228 Carrier Cable Deflector (19-74)



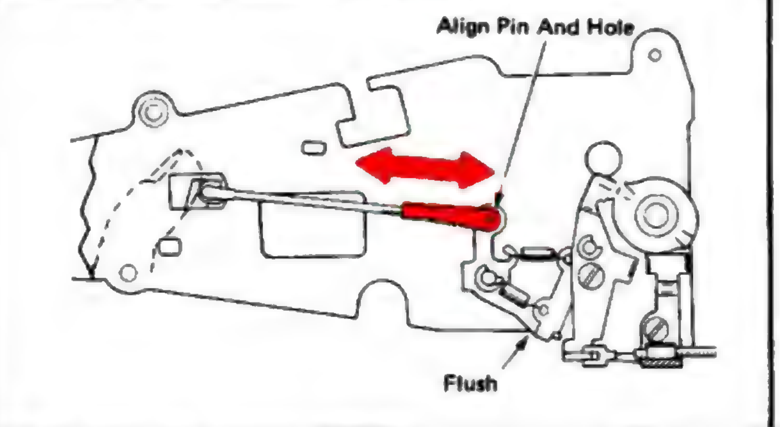
229 Center Cable Clamp (02-216)



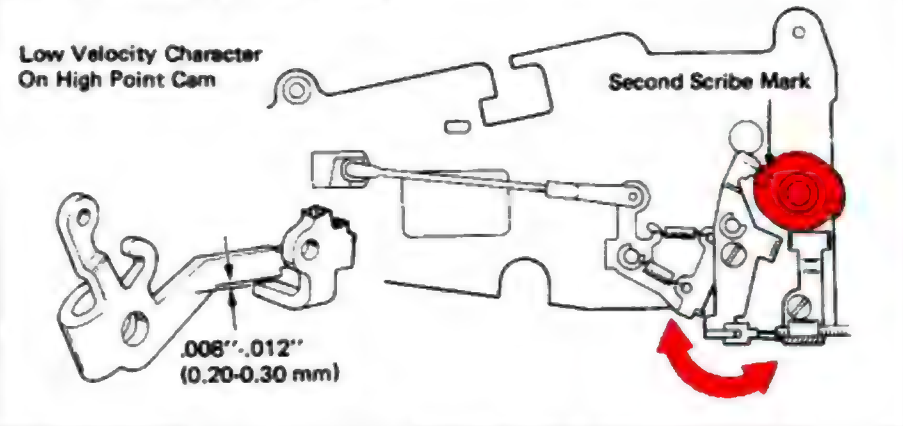
230 Velocity Control Keyboard Cable Clamp (02-216)



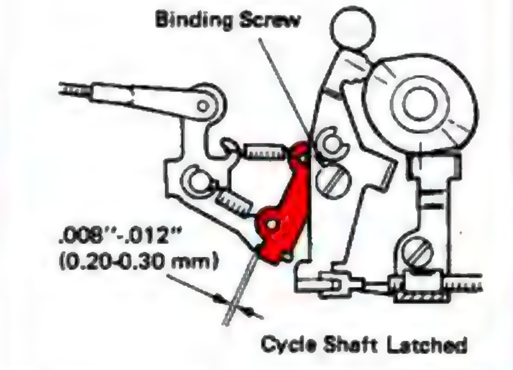
231 Low Velocity Latch Link (21-411)



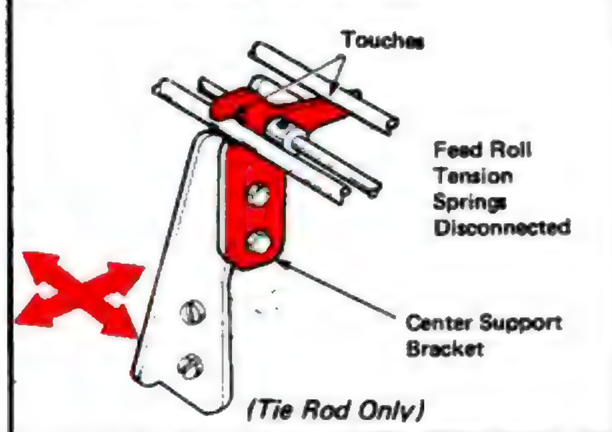
232 Low Velocity Cam (21-426)



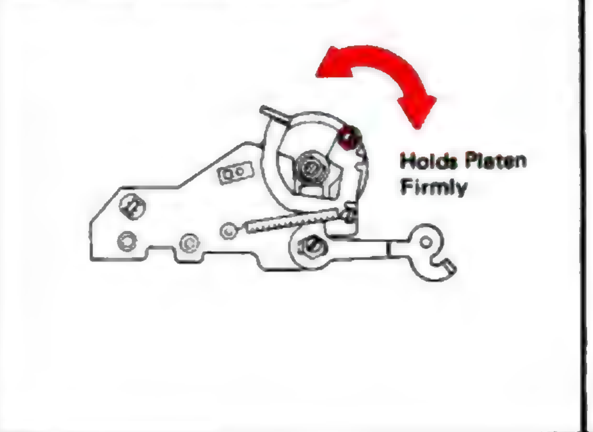
233 Low Velocity Cam Follower Stop (21-415)



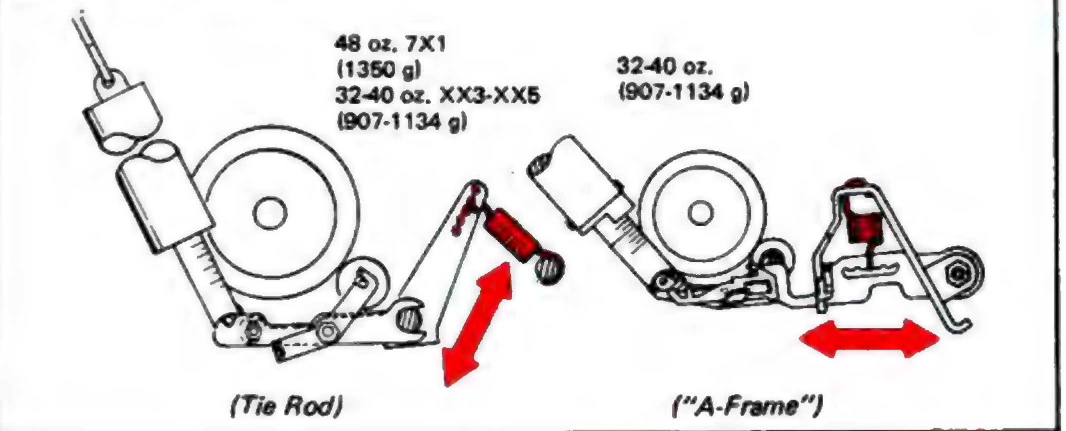
234 Paper Feed Support (22-208)



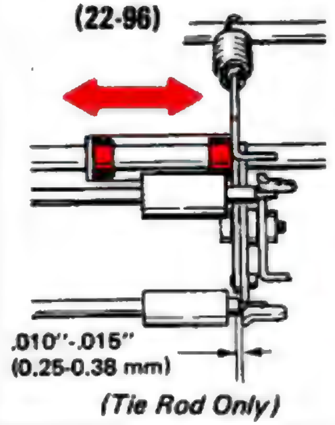
235 Platen Latches (22-293)



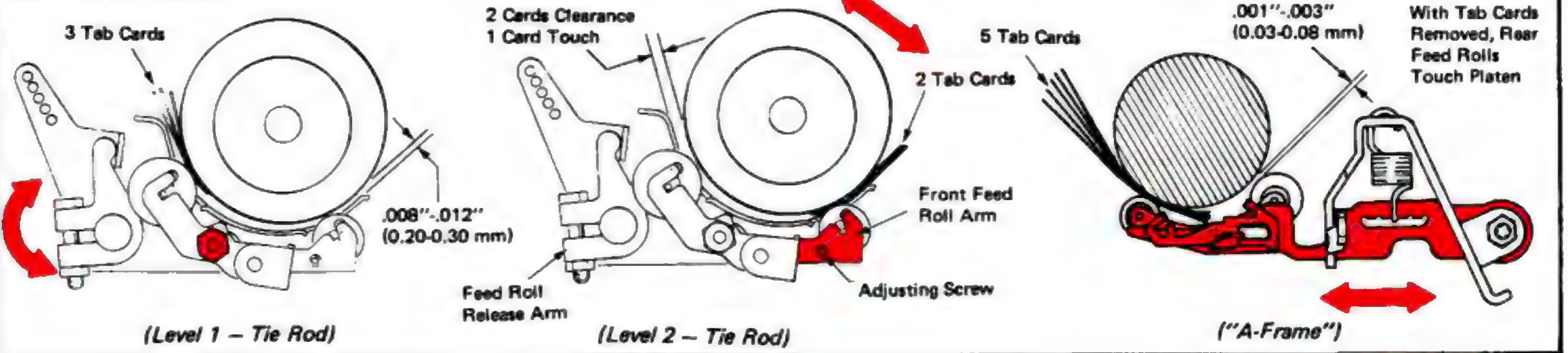
236 Feed Roll Tension (22-286)



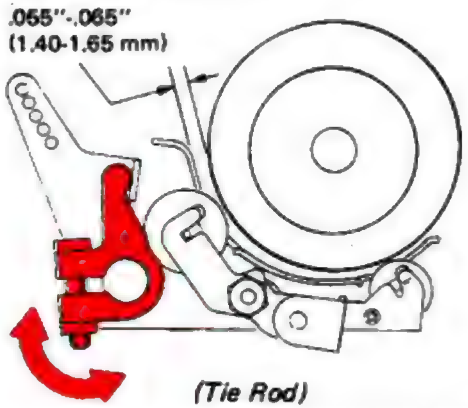
237 Feed Roll End Play (22-96)



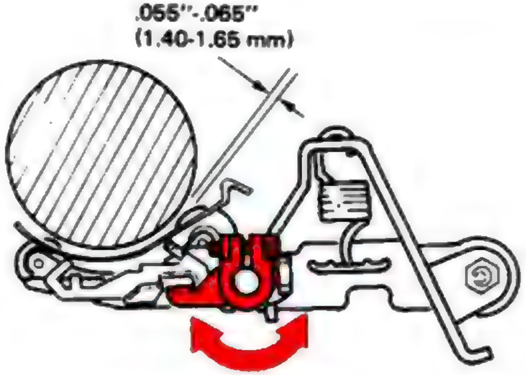
238 Feed Rolls (22-286)



239 Paper Release (22-93)

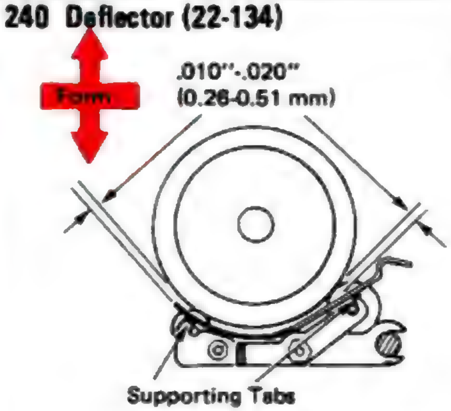


(Tie Rod)



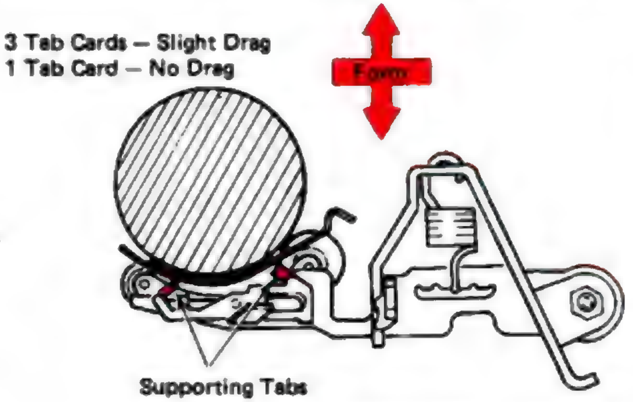
("A-Frame")

240 Deflector (22-134)



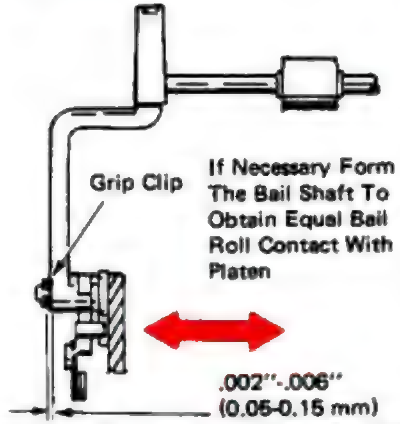
(Tie Rod)

3 Tab Cards – Slight Drag
1 Tab Card – No Drag



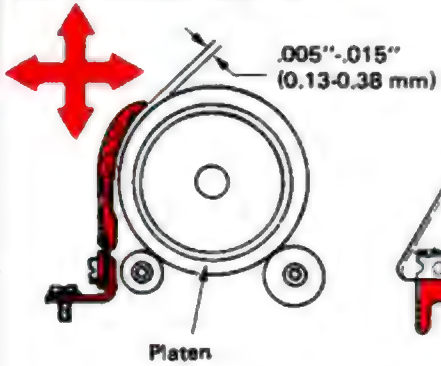
("A-Frame")

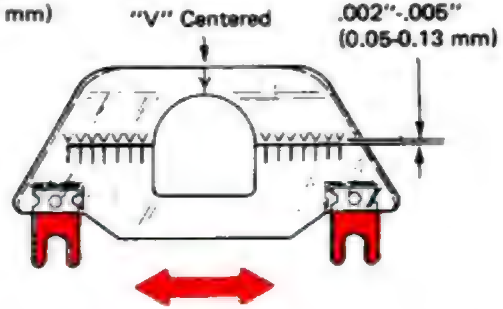
241 Paper Bail (22-1)



If Necessary Form The Bail Shaft To Obtain Equal Bail Roll Contact With Platen

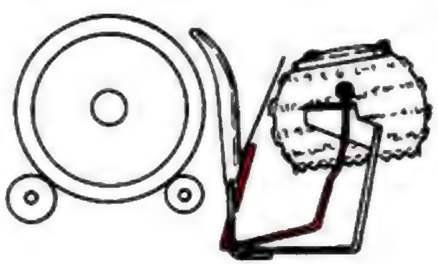
242 Cardholder (22-216)

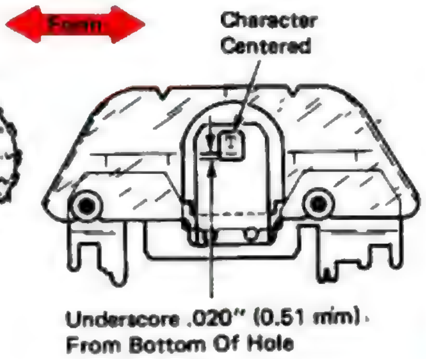




243 Removable Print Shield (22-226)

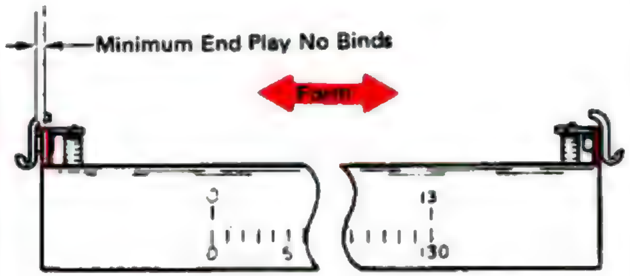
Lever Forward In "Type" Position



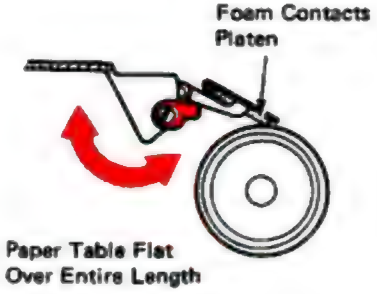


Underscore .020" (0.51 mm) From Bottom Of Hole

244 Paper Table Arm (04-90) (05-56)

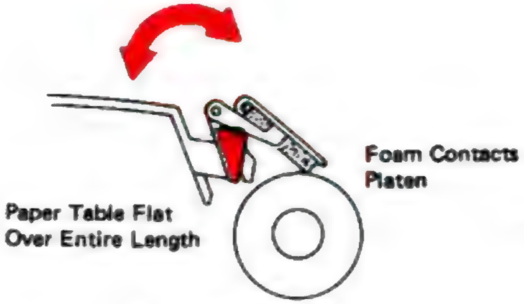


245 Paper Table Mounting Bracket (04-92) (05-47)



7XX 8XX 9XX

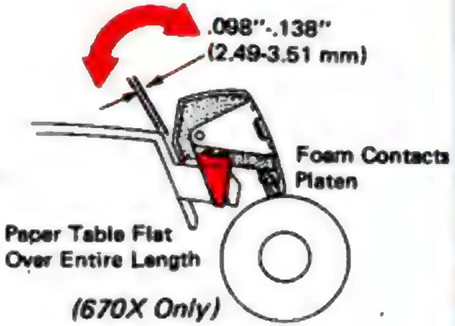
(05-141)



(670X Only)

(Left Side View)

(30-141, 166)

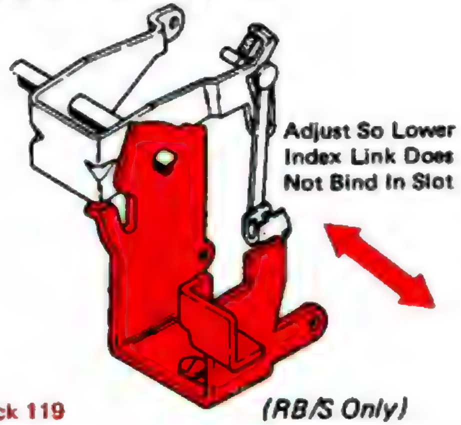


(670X Only)

(Left Side View)

(Sound Reduction Only)

246 Switch Bracket (24-9)

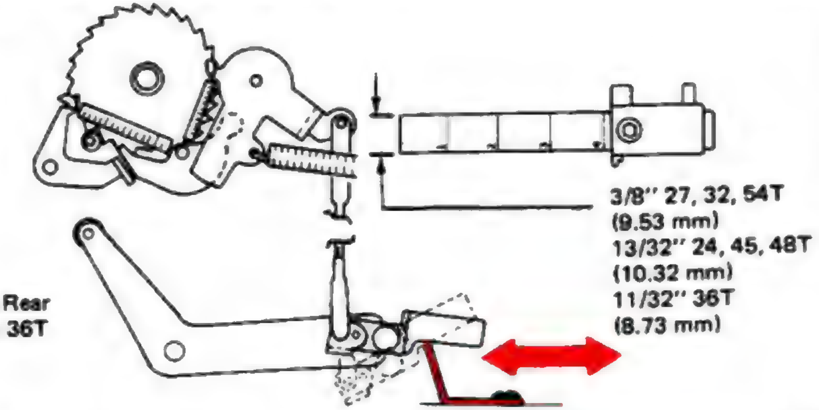


Adjust So Lower Index Link Does Not Bind In Slot

Check 119

(RB/S Only)

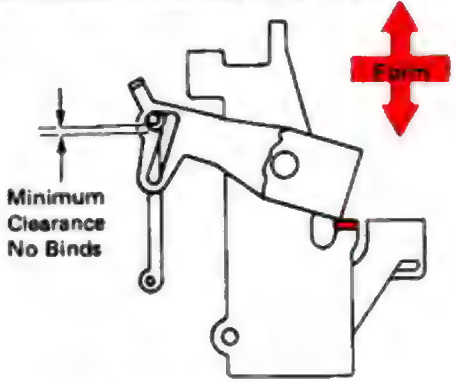
247 Multiplying Lever Stop (20-412)



Clevis In Rear Hole For 36T

3/8'' 27, 32, 54T (9.53 mm)
13/32'' 24, 45, 48T (10.32 mm)
11/32'' 36T (8.73 mm)

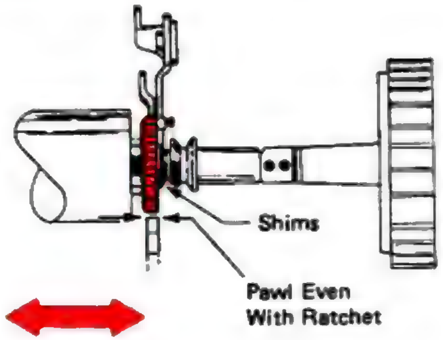
248 Index Transfer Bellcrank Stop Lug (24-9)



Minimum Clearance No Binds

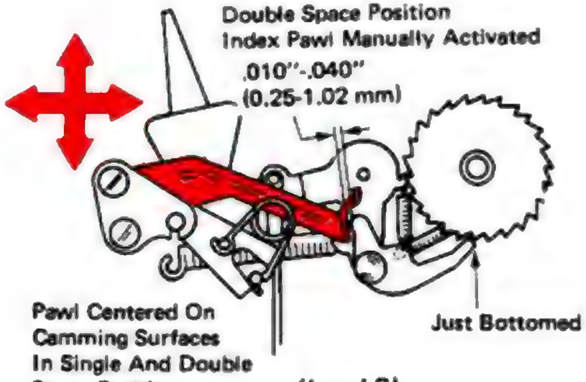
(RB/S Only)

249 Ratchet Alignment (12-20)



Pawl Even With Ratchet

250 Index Selector Cam (20-318)



Cam At Rest
Double Space Position
Index Pawl Manually Activated

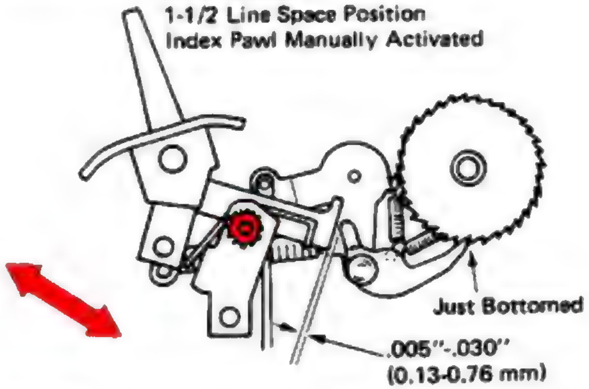
.010''-.040''
(0.25-1.02 mm)

Pawl Centered On Camming Surfaces In Single And Double Space Position

Just Bottomed

(Level 2)

251 Index Selector Cam 54T (20-322)

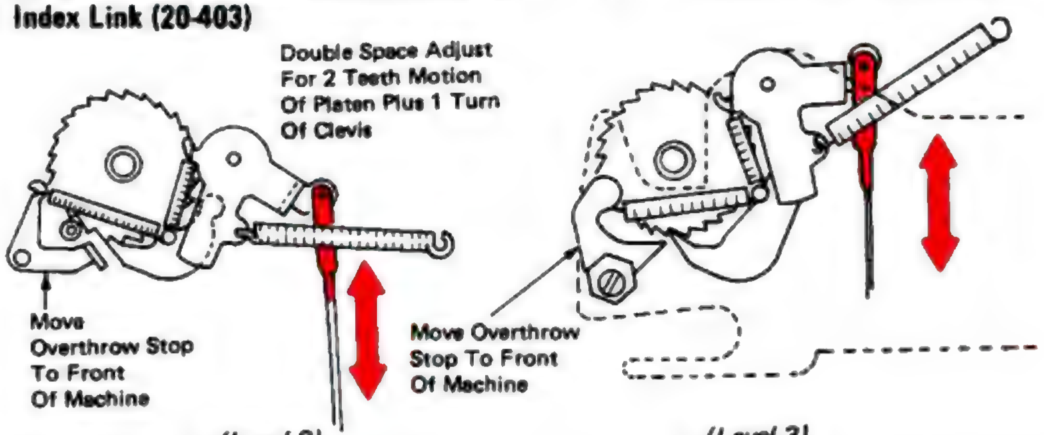


Cam At Rest
1-1/2 Line Space Position
Index Pawl Manually Activated

Just Bottomed

.005''-.030''
(0.13-0.76 mm)

252 Index Link (20-403)



Double Space Adjust For 2 Teeth Motion Of Platen Plus 1 Turn Of Clevis

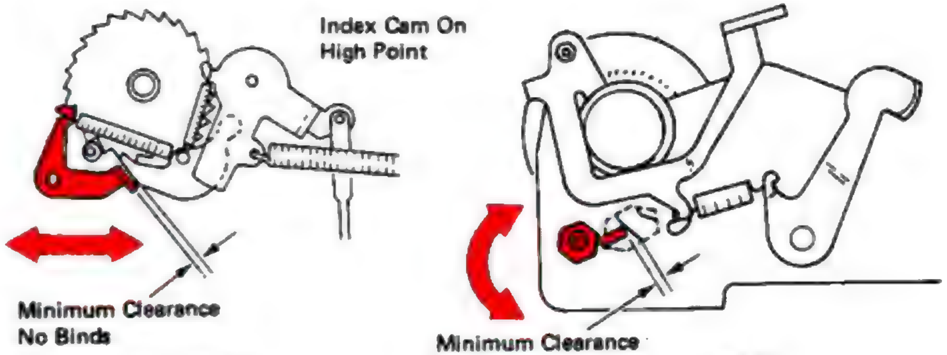
Move Overthrow Stop To Front Of Machine

(Level 2)

Move Overthrow Stop To Front Of Machine

(Level 3)

253 Overthrow Stop (20-452)



Index Cam On High Point

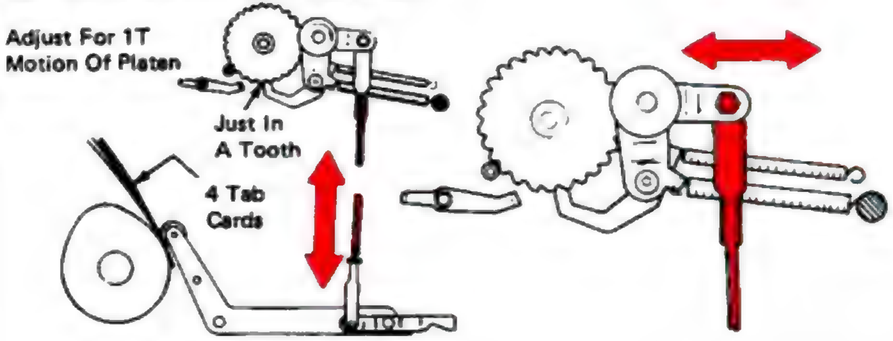
Minimum Clearance No Binds

(Level 2)

Minimum Clearance No Binds

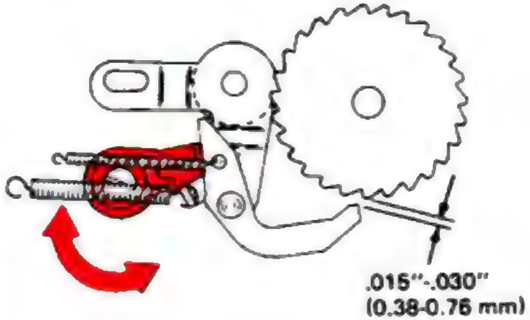
(Level 3)

254 Index Link And Stud (20-401)



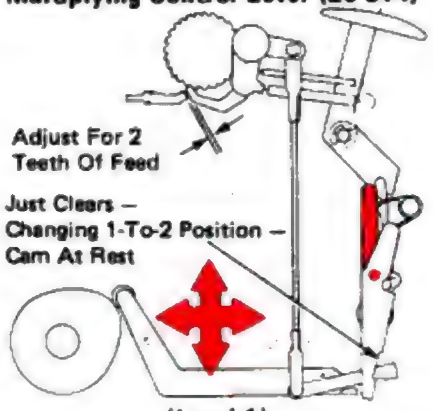
(Level 1 Only)

255 Upper Index Pawl Stop (20-437)



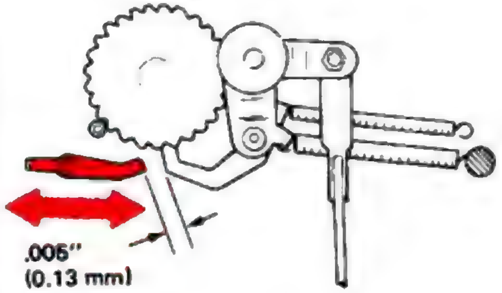
(Level 1 Only)

256 Multiplying Control Lever (20-314)


Adjust For 2 Teeth Of Feed
Just Clears – Changing 1-To-2 Position – Cam At Rest

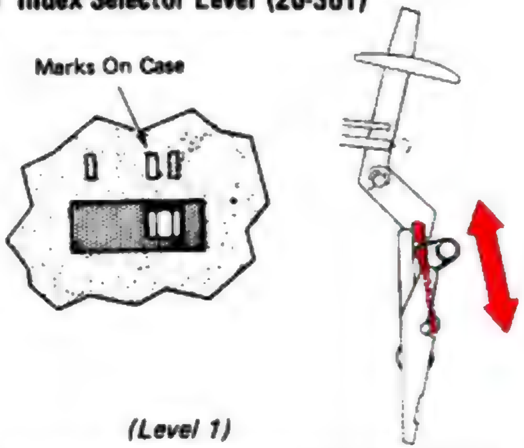
(Level 1)

257 Platen Overthrow Stop (20-452)



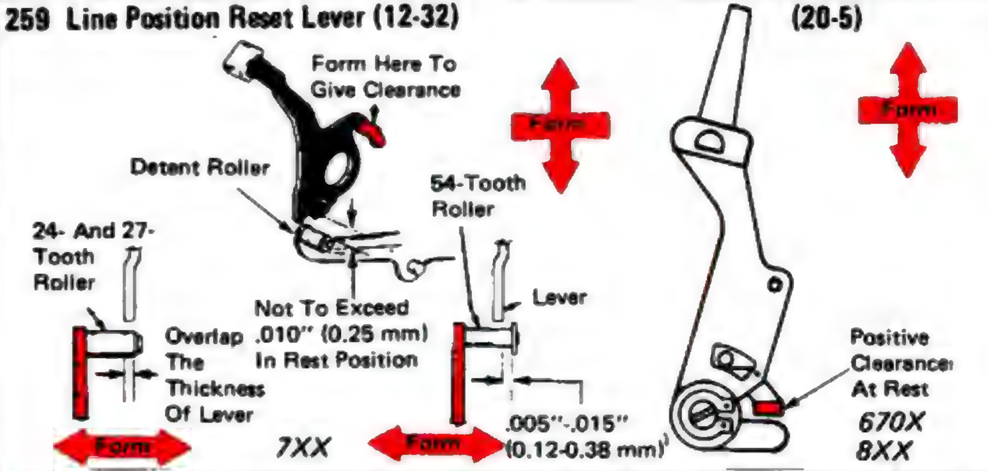
(Level 1)

258 Index Selector Lever (20-301)

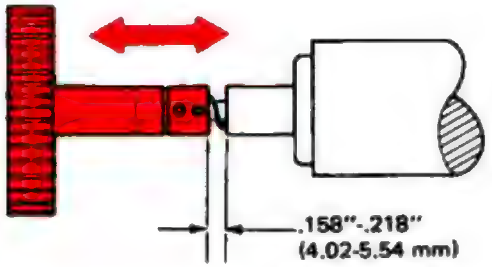


(Level 1)

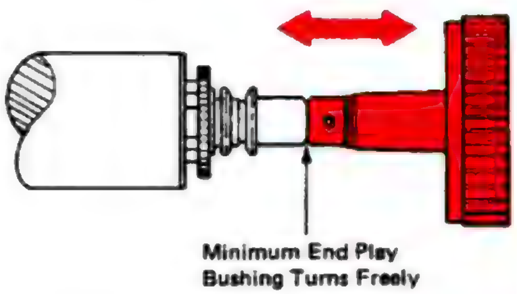
259 Line Position Reset Lever (12-32)


(20-5)
Form Here To Give Clearance
Form
Form
Detent Roller
54-Tooth Roller
24- And 27- Tooth Roller
Lever
Overlap The Thickness Of Lever
Not To Exceed .010" (0.25 mm) In Rest Position
Positive Clearance At Rest
Form
7XX
Form
.005"-.015"
(0.12-0.38 mm)
670X
8XX

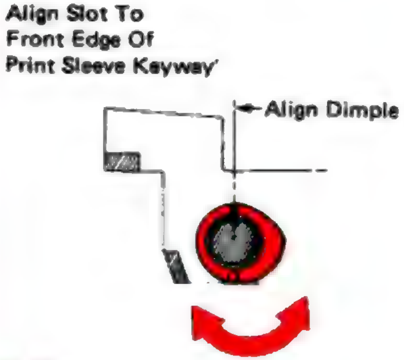
260 Left Platen Knob (12-55)



261 Right Platen Knob (12-55)

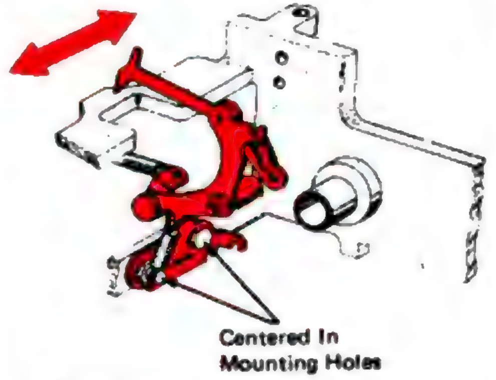


262 Ribbon Lift Cam (14-117)



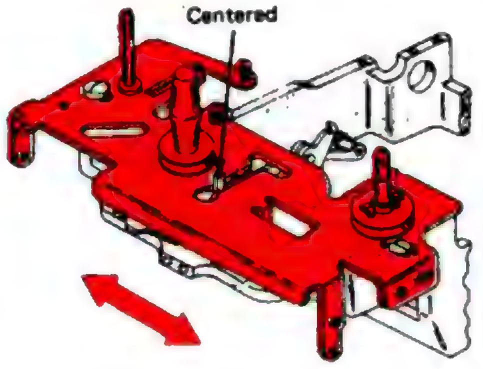
44, 54

263 Feed Cam Follower Bracket (14-158)

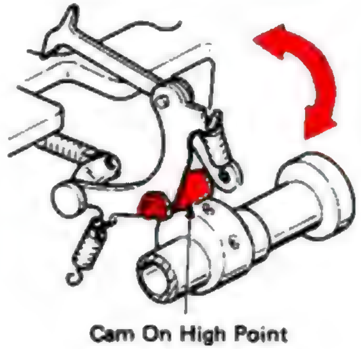


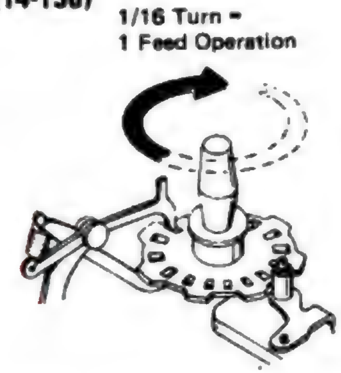
(Rear View)

264 Ribbon Plate (14-44)

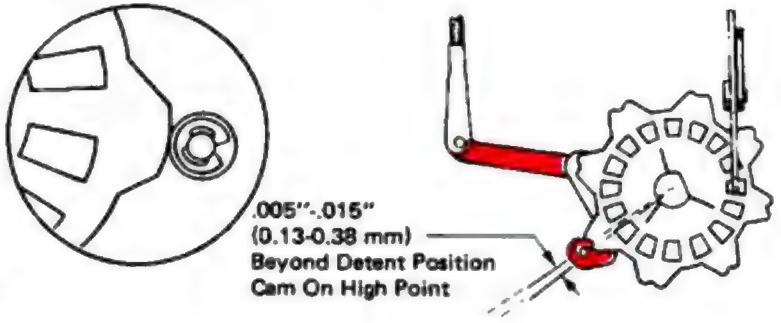


265 Ribbon Feed Cam Follower Stud (14-136)



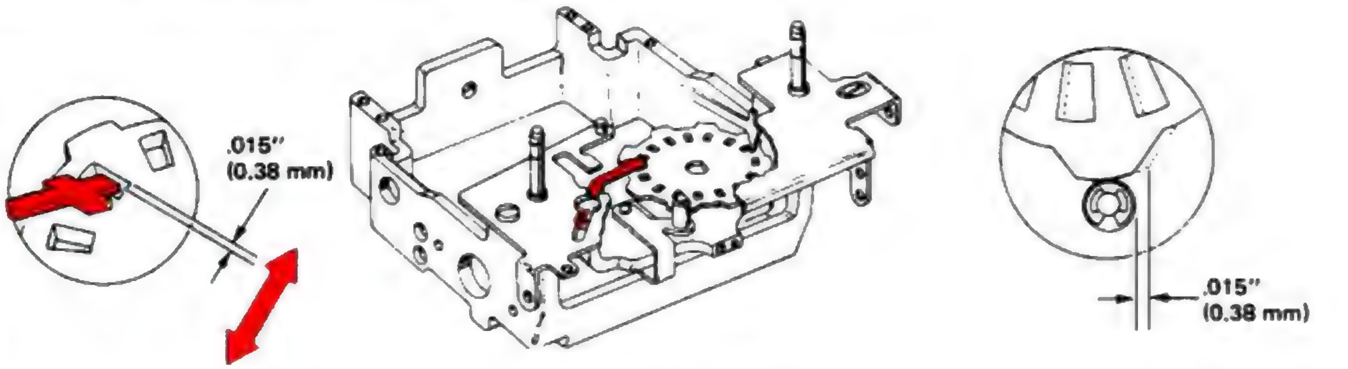


(Level 1 – Top View)



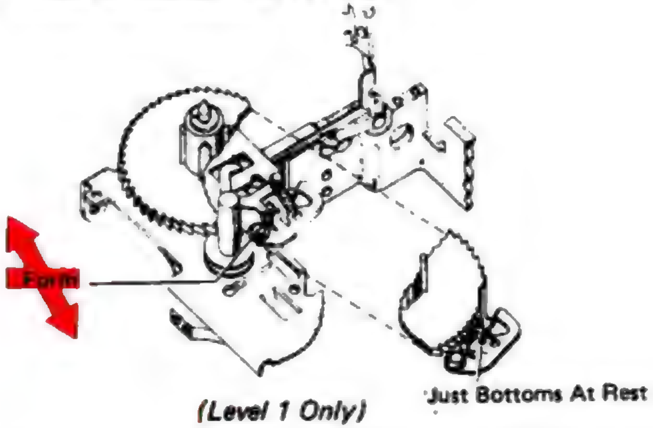
(Level 2 – Top View)

266 Feed And Lift Wheel Detent Spring (14-48)



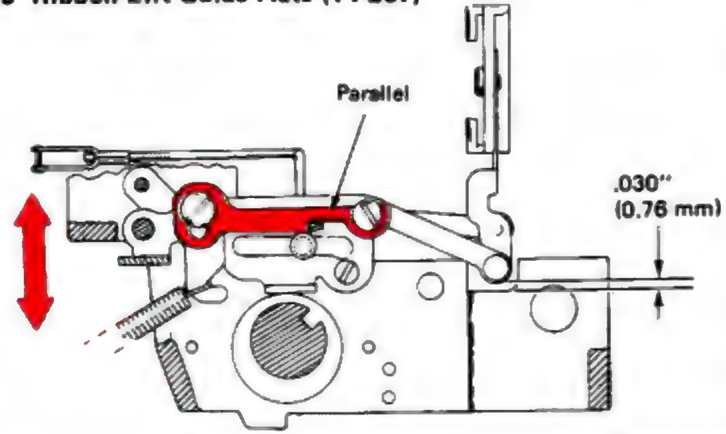
(Level 1 Only)

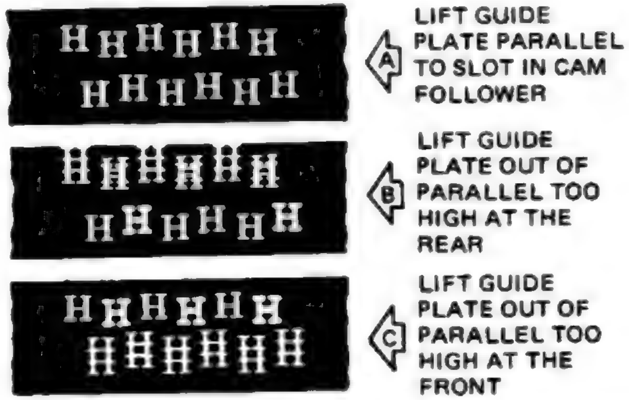
267 Brake Actuating Lever (14-30)

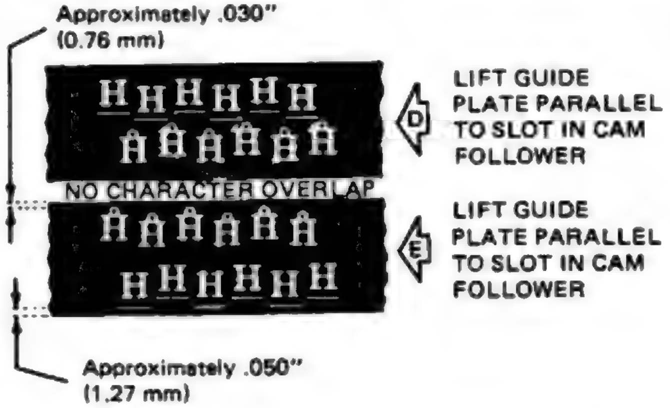


(Level 1 Only)

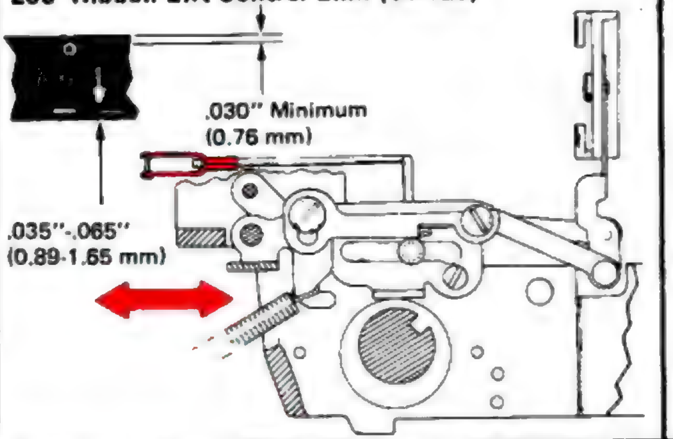
268 Ribbon Lift Guide Plate (14-207)



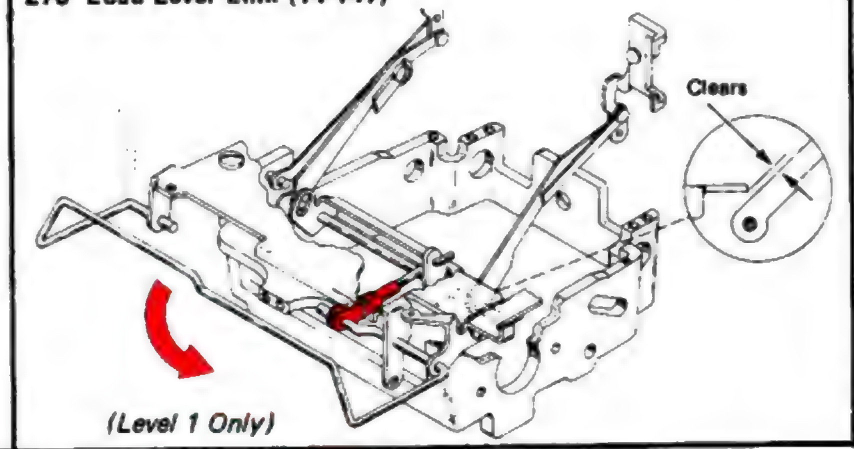

A
LIFT GUIDE PLATE PARALLEL TO SLOT IN CAM FOLLOWER
B
LIFT GUIDE PLATE OUT OF PARALLEL TOO HIGH AT THE REAR
C
LIFT GUIDE PLATE OUT OF PARALLEL TOO HIGH AT THE FRONT


Approximately .030"
(0.76 mm)
D
LIFT GUIDE PLATE PARALLEL TO SLOT IN CAM FOLLOWER
NO CHARACTER OVERLAP
E
LIFT GUIDE PLATE PARALLEL TO SLOT IN CAM FOLLOWER
Approximately .050"
(1.27 mm)

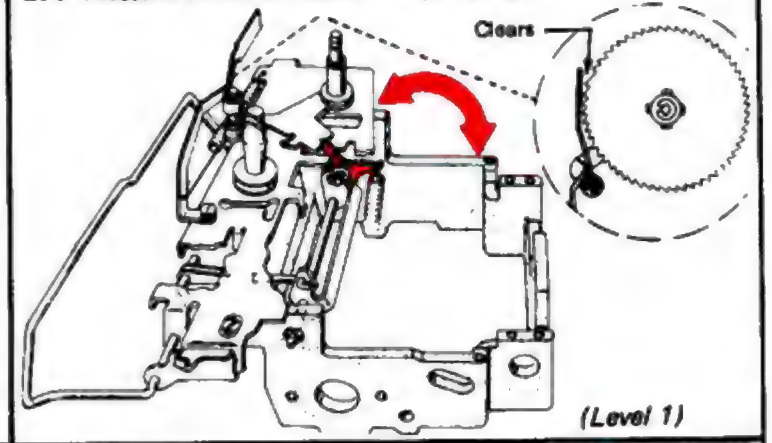
269 Ribbon Lift Control Link (14-128)



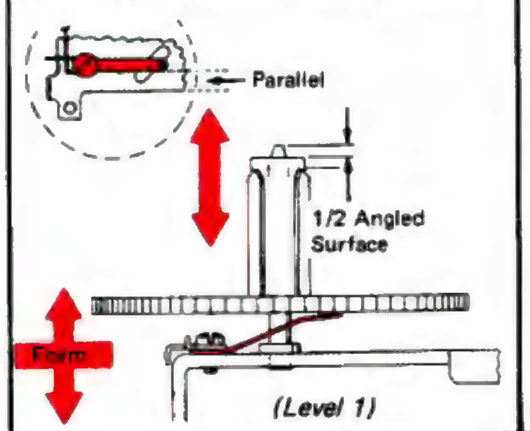
270 Load Lever Link (14-147)



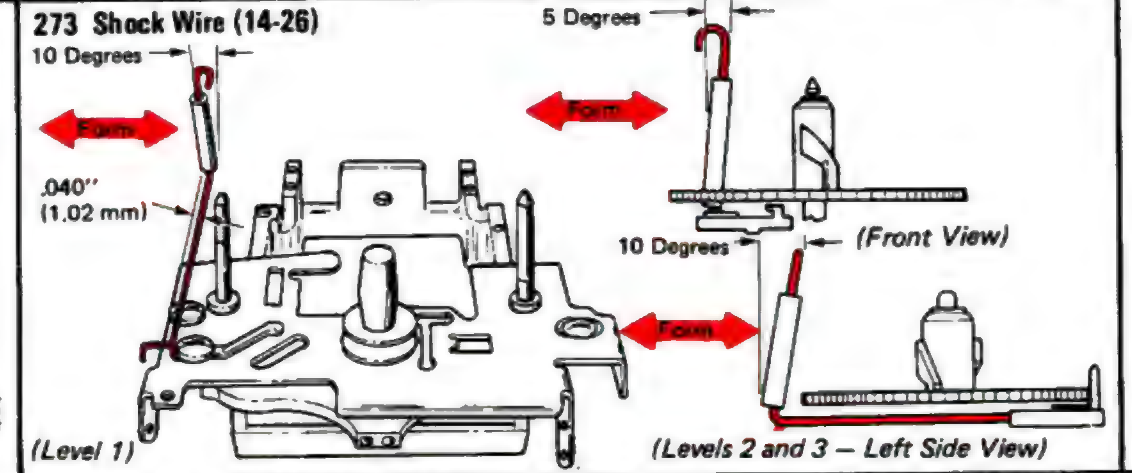
271 Pressure Roller Release Arm (14-116)



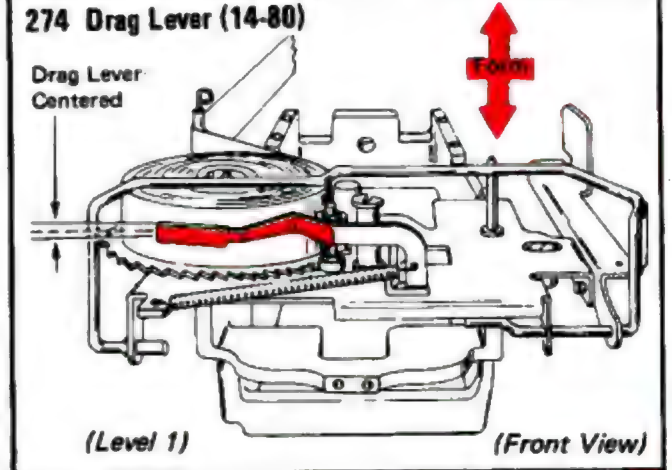
272 Supply Spool Drag Spring (14-30)



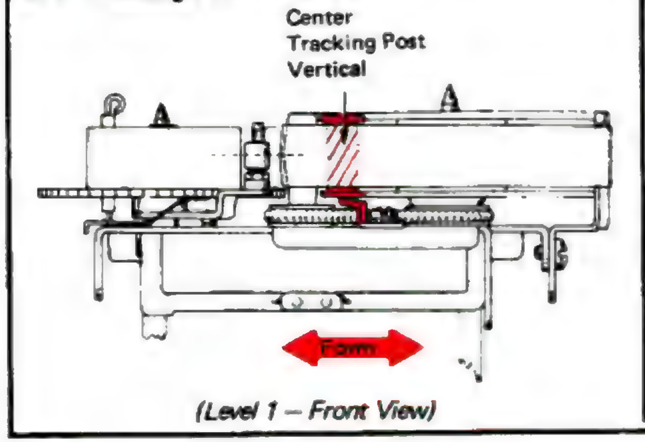
273 Shock Wire (14-26)



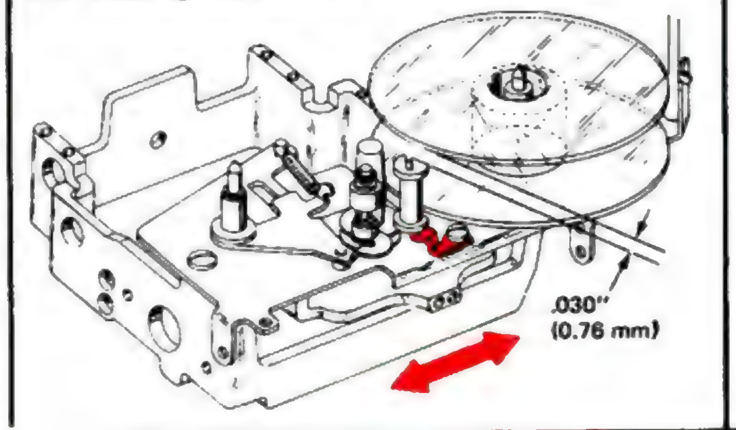
274 Drag Lever (14-80)



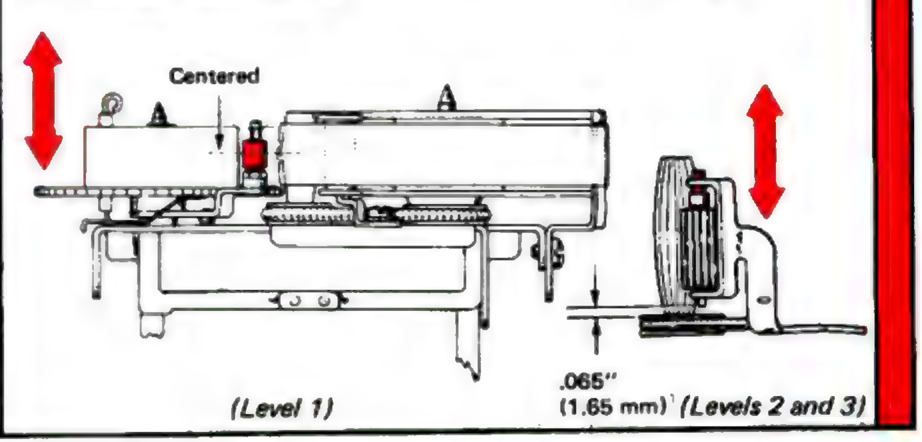
275 Tracking Post Vertical (14-82)



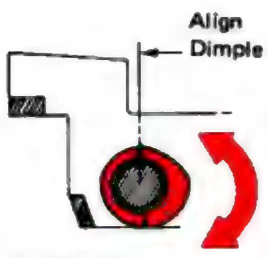
276 Tracking Post (14-82)



277 Pressure Roller (14-12) (14-217)

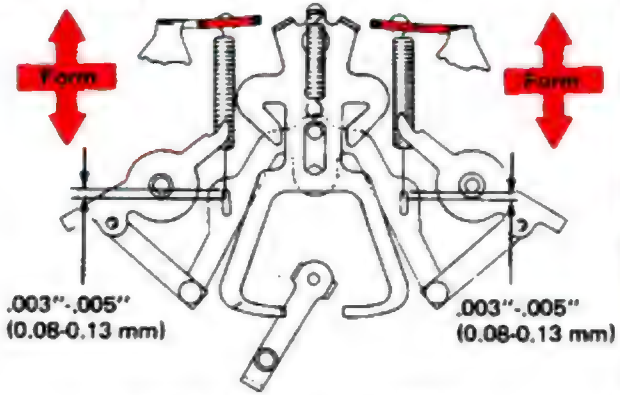


278 Ribbon Lift Cam (13-58)



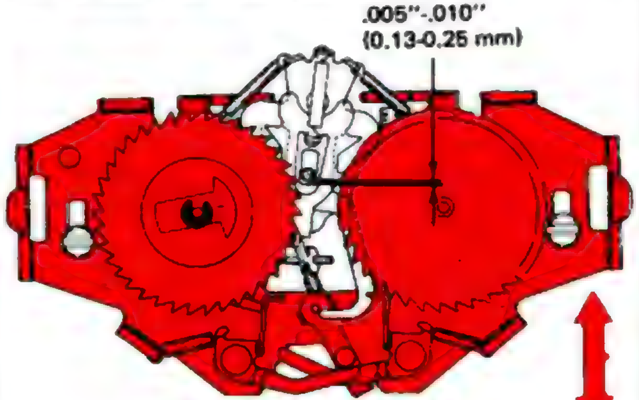
Align Slot To Front Edge Of Print Sleeve Keyway
44, 54

279 Centering Spring (13-38)



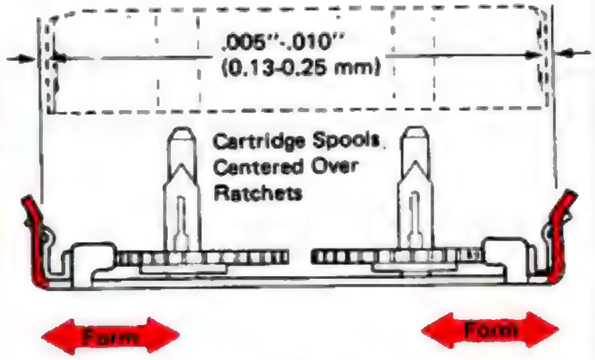
(Level 1 Only – Top View)

280 Ribbon Feed Plate (13-38)



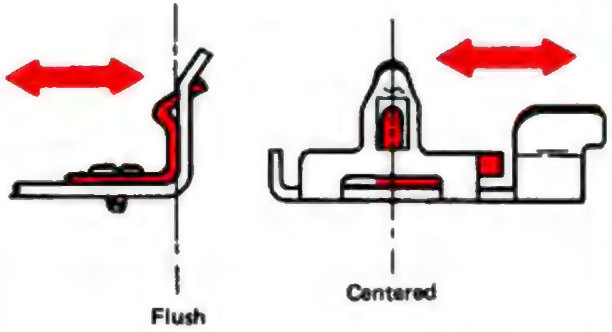
(Level 1 Only – Top View)

281 Cartridge Guide Lugs (13-38)



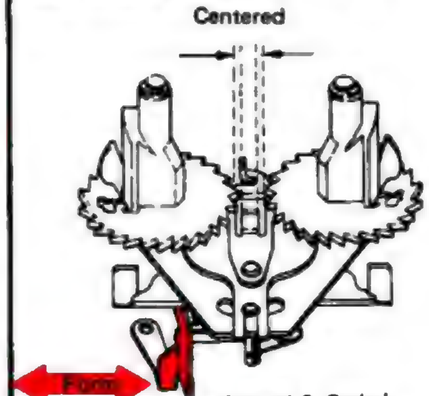
(Front View)

282 Cartridge Retaining Springs (13-76)



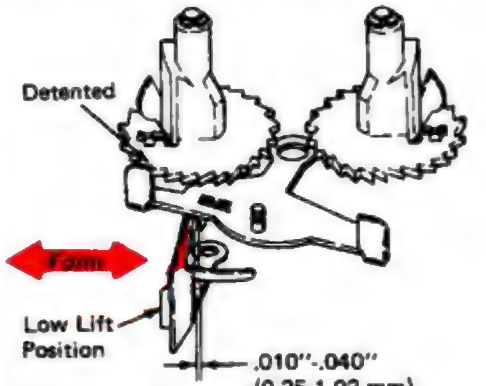
(Level 2)

283 Ribbon Lift Lever (13-78)



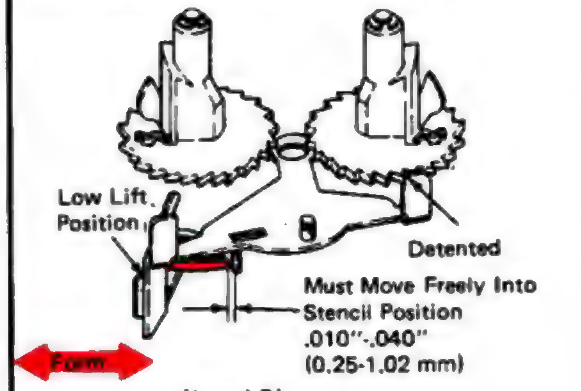
(Level 2 Only)

284 Ribbon Lift Lever Rear Lug (13-78)



(Level 2)

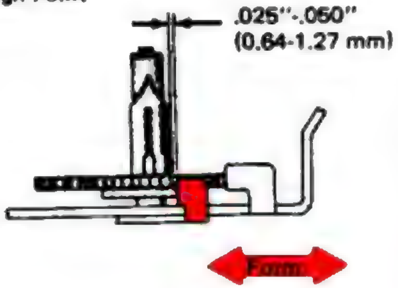
285 Ribbon Lift Lever Front Lug (13-78)



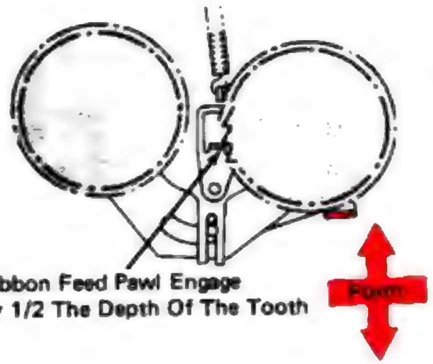
(Level 2)

286 Ratchet Detent Lugs (13-74)

Feed Cam On High Point

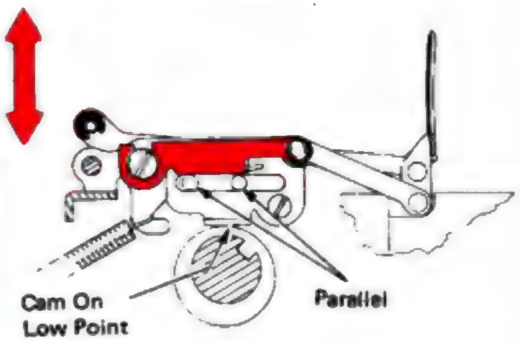


287 Ratchet Detent Lug (13-74)

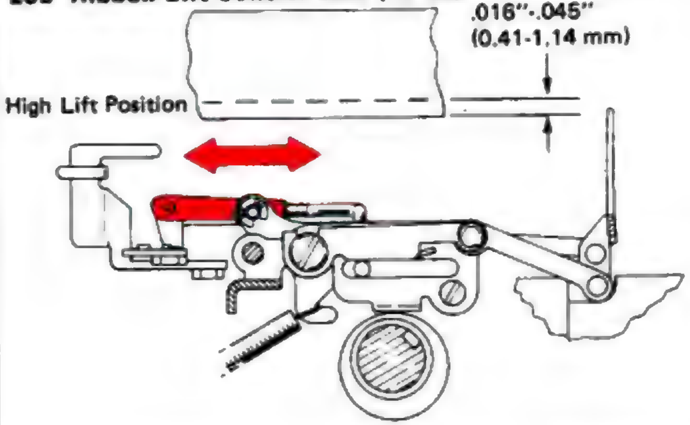


Ribbon Feed Pawl Engage By 1/2 The Depth Of The Tooth

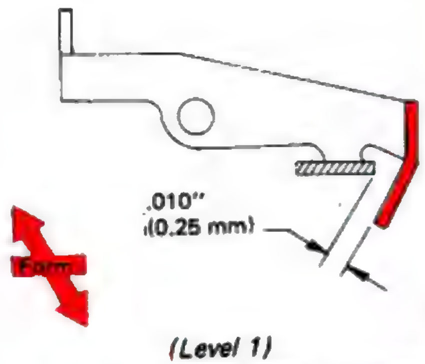
288 Ribbon Lift Guide Plate (13-37)



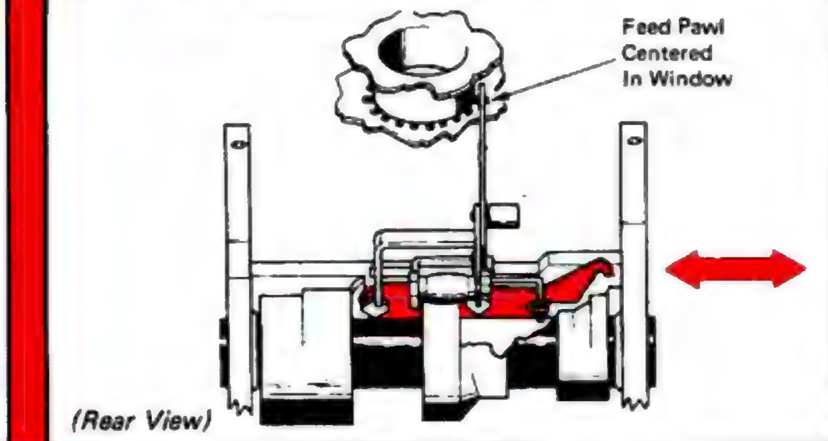
289 Ribbon Lift Control Link (13-62)



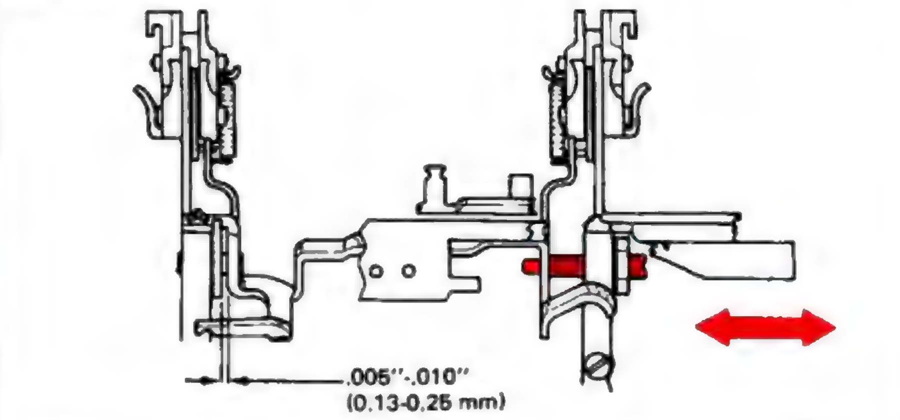
290 Stencil Lockout (13-65)



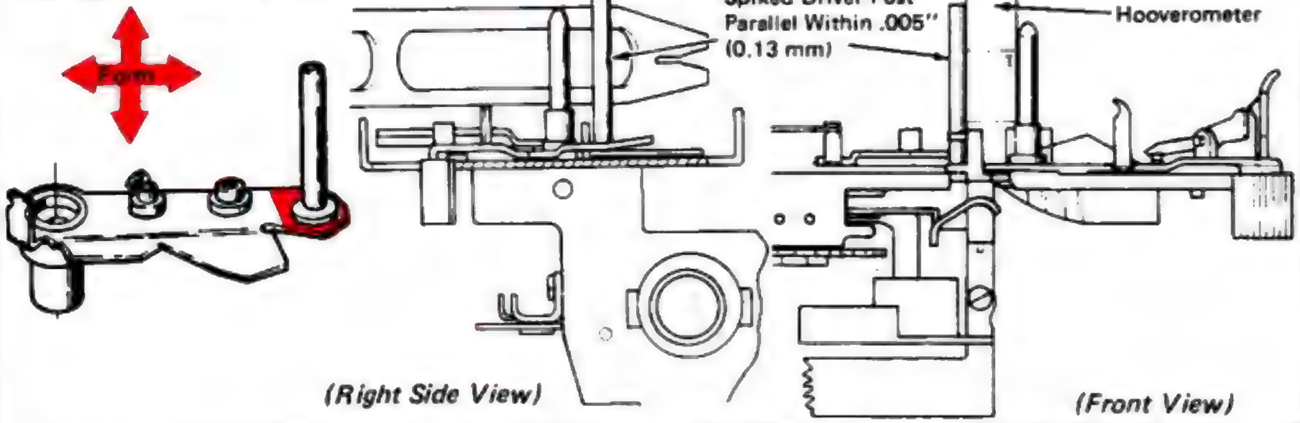
291 Feed Cam Follower Bracket (15-12)



292 Lift Arm (15-6)

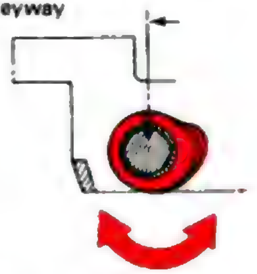


293 Spiked Driver Post (15-61)



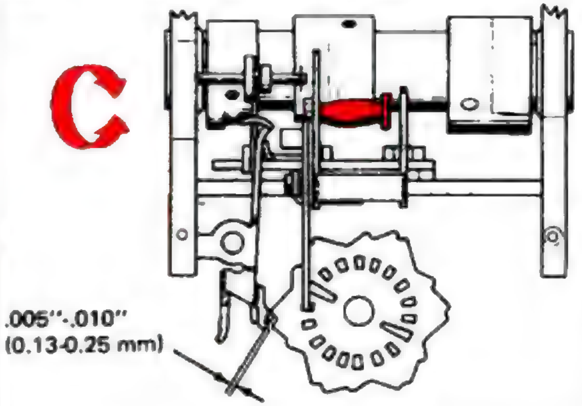
294 Ribbon Lift Cam (15-17)

Align Slot To Front Edge Of Print Sleeve Keyway

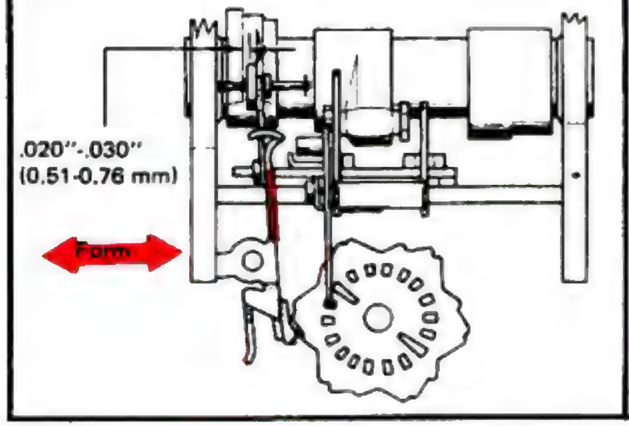


44, 54

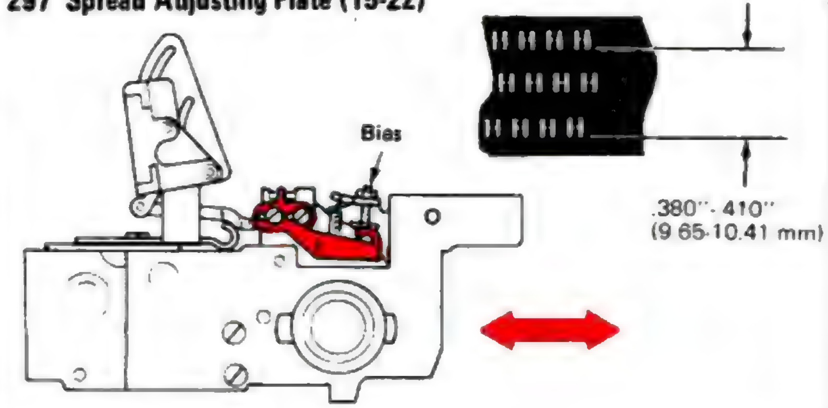
295 Feed Cam Follower Eccentric (15-8)



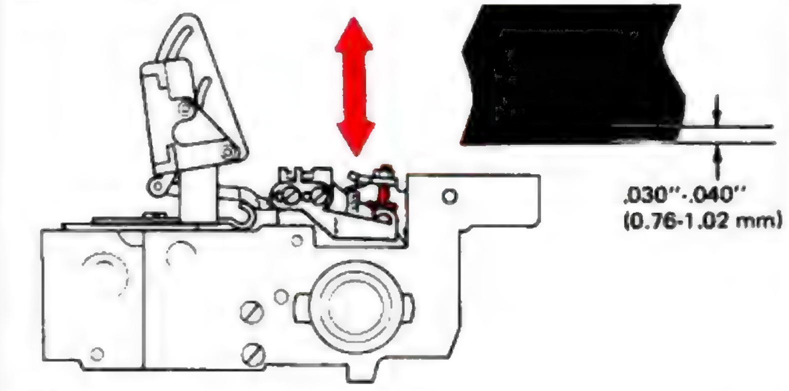
296 Lift Control Lever (15-76)



297 Spread Adjusting Plate (15-22)



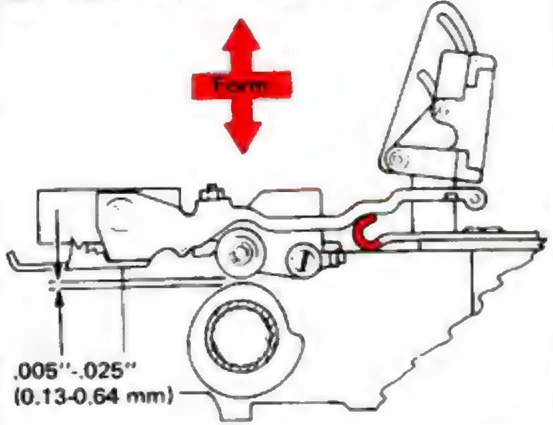
298 Lift Height (15-30)



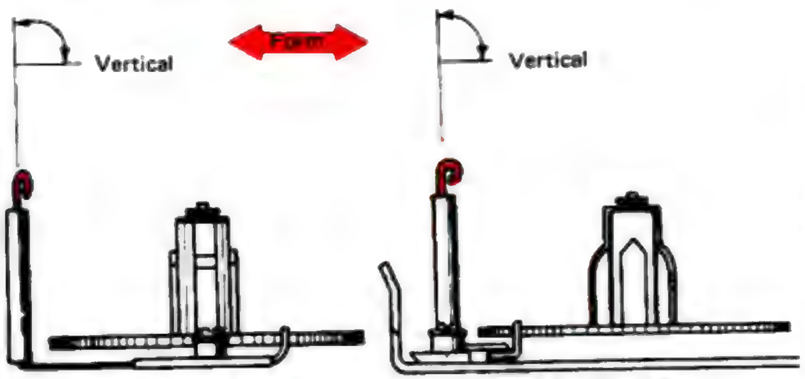
297

7XX [21], 8XX [26], 670X [27], 9XX

299 Lift Arm Lower Stop (15-2)

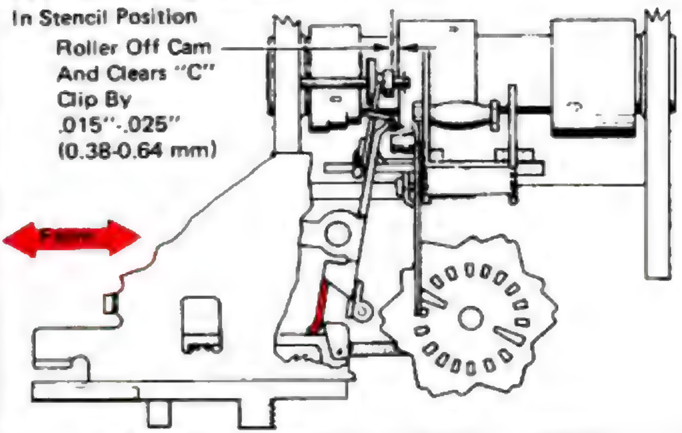


300 Shock Wire (15-83)

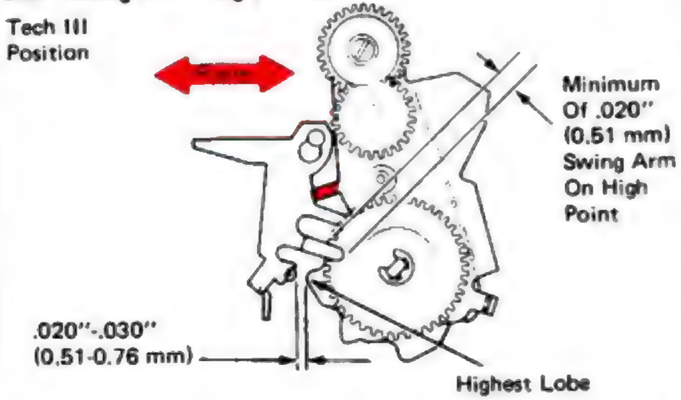


(Left Side View) *(Right Side View)*

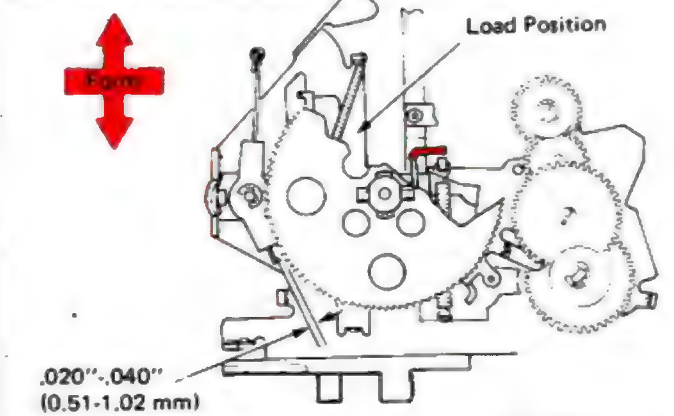
301 Stencil Adjustment (15-76)


In Stencil Position
Roller Off Cam And Clears "C" Clip By .015"-.025" (0.38-0.64 mm)
Form

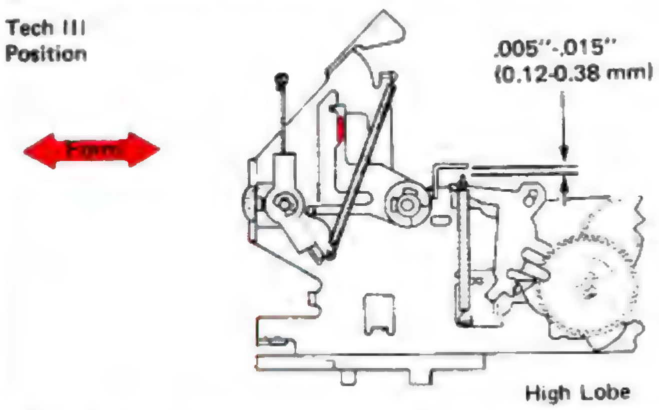
302 Swing Arm Lug (15-62)


Tech III Position
Form
Minimum Of .020" (0.51 mm) Swing Arm On High Point
.020"-.030" (0.51-0.76 mm)
Highest Lobe

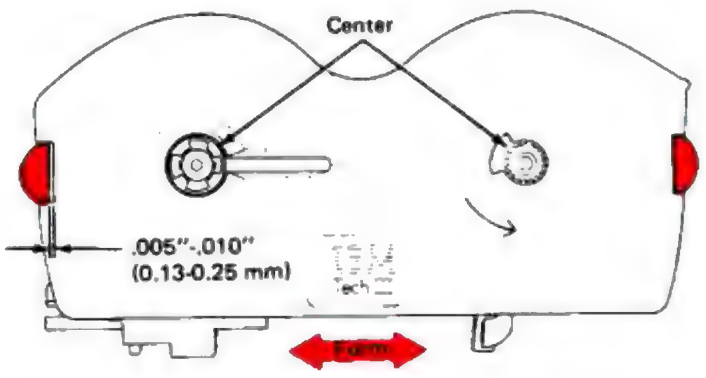
303 Shock Wire Disengage Lever (15-87)



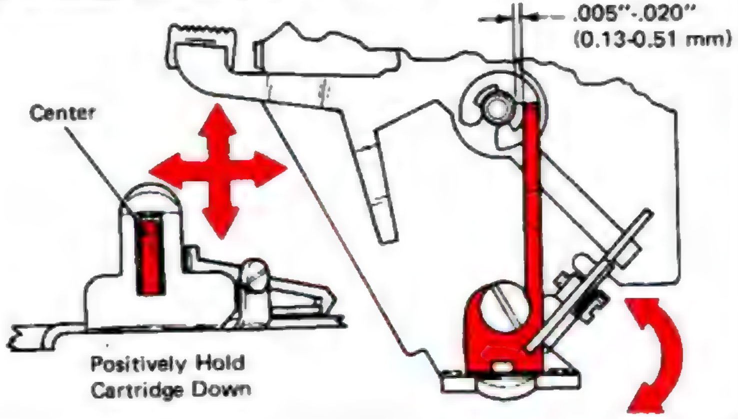
304 Shock Wire Disengage Lever (15-87)



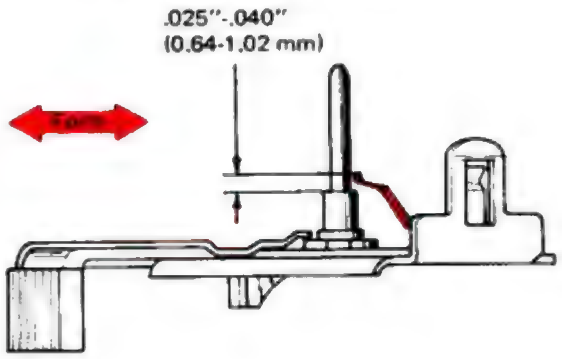
305 Cartridge Guides (15-86)



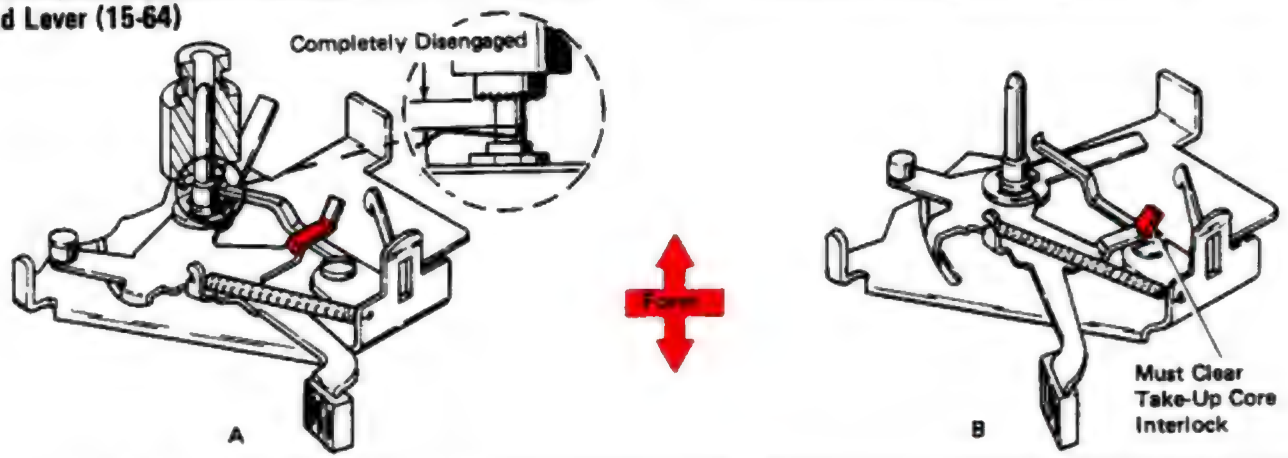
306 Cartridge Retaining Springs (15-59)



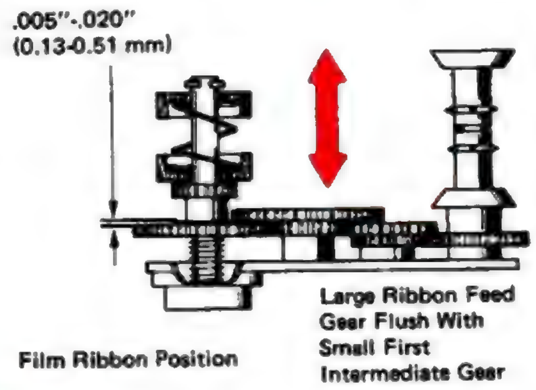
307 Take-Up Core Interlock (15-59)



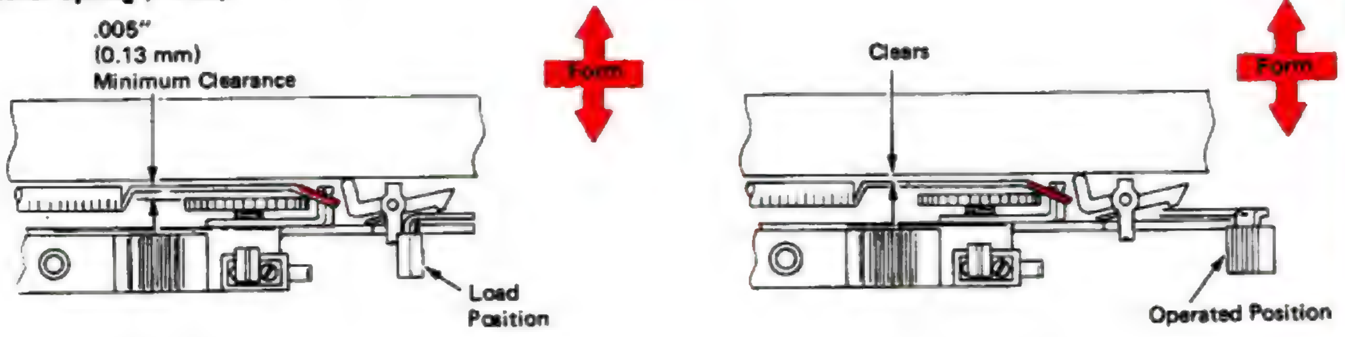
308 Load Lever (15-64)



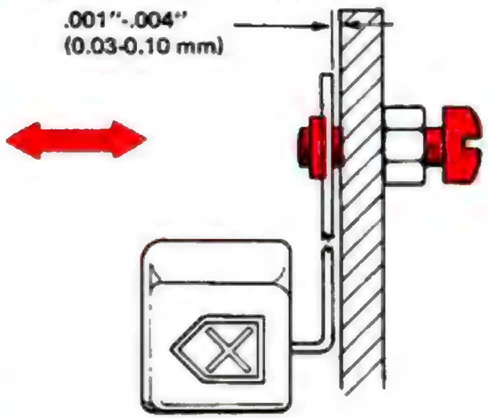
309 Mode Button Grip Clip Position (15-93)



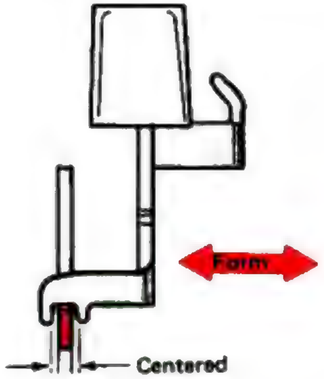
310 Load Lever Spring (15-85)



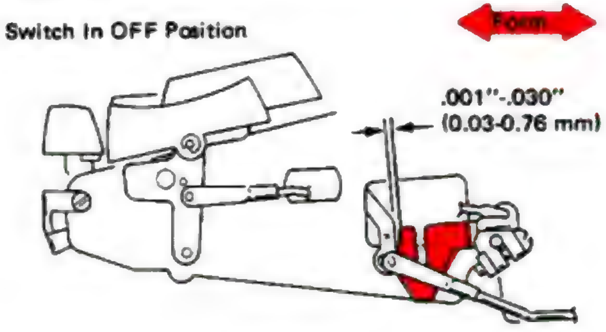
311 Correcting Keylever Side Play (26-95)



312 Backspace Keylever (01-101)

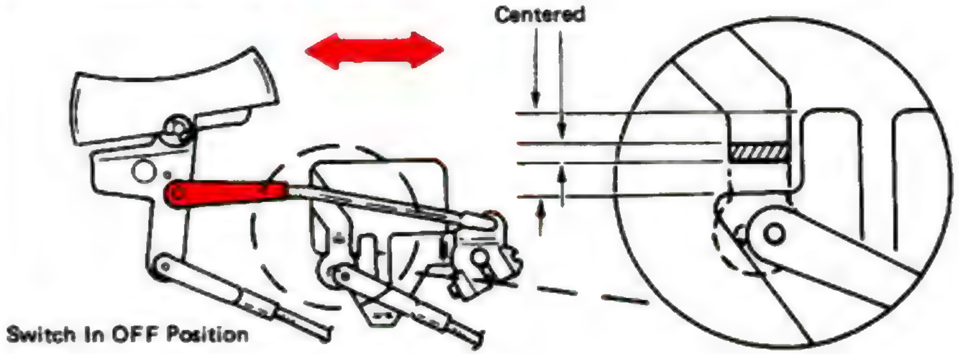


313 Correcting Keybutton Interlock Front To Rear (26-259)



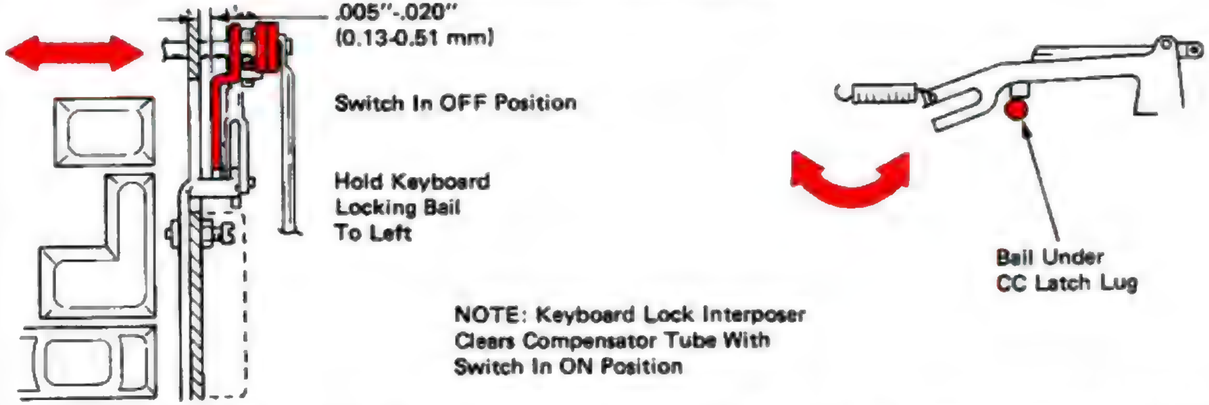
(Right Side View)

314 Lockout Bail Link (21-546)



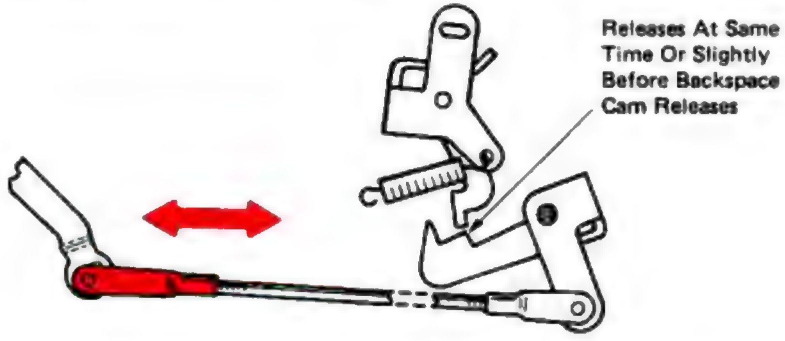
(Right Side View)

315 Correcting Keybutton Interlock And Lockout Bail (26-259)

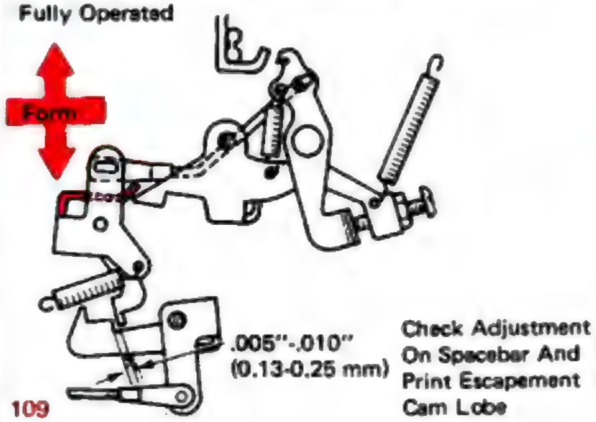


NOTE: Keyboard Lock Interposer Clears Compensator Tube With Switch In ON Position

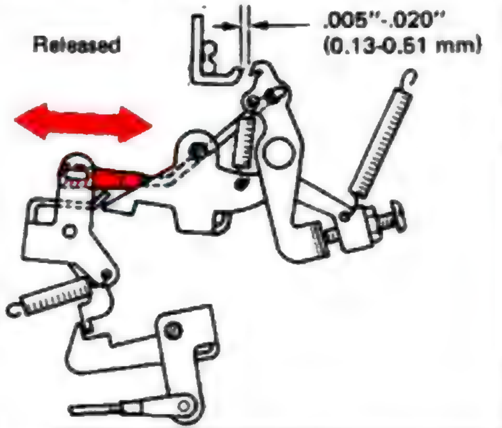
316 Correcting Keylever Link (26-90)


Releases At Same Time Or Slightly Before Backspace Cam Releases

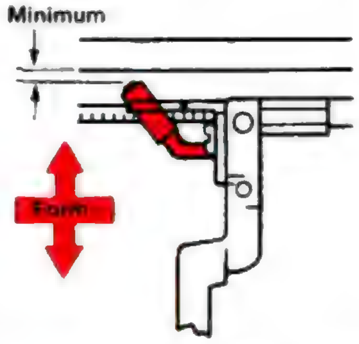
317 Mode Actuating Bellcrank (26-80)



318 Trigger Link (26-76)

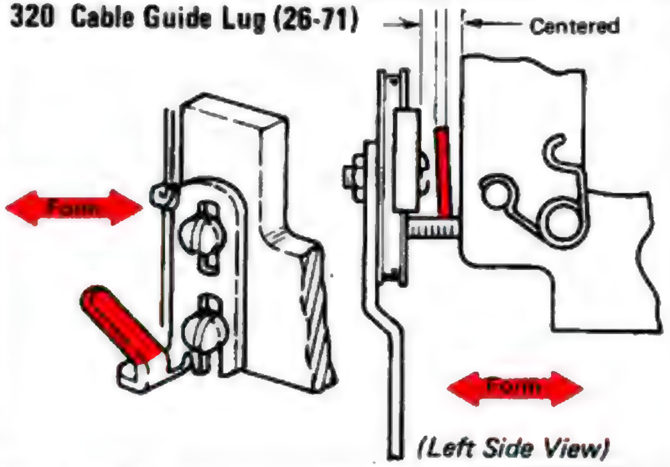


319 Cable Guide Bracket (26-59)



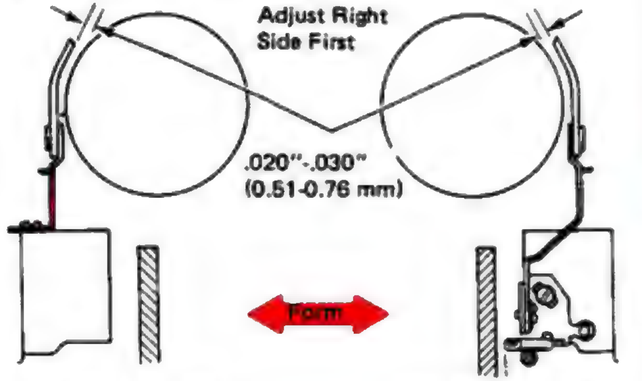
(Top View)

320 Cable Guide Lug (26-71)



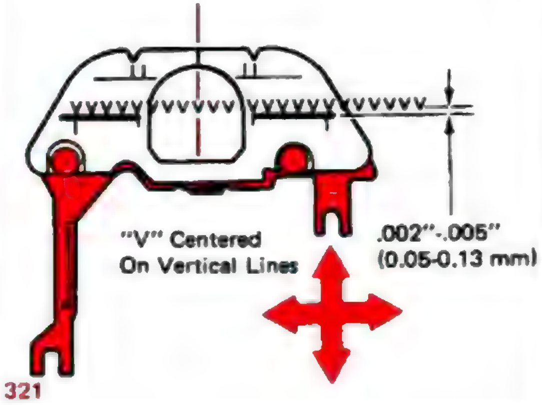
(Left Side View)

321 Cardholder (26-41)

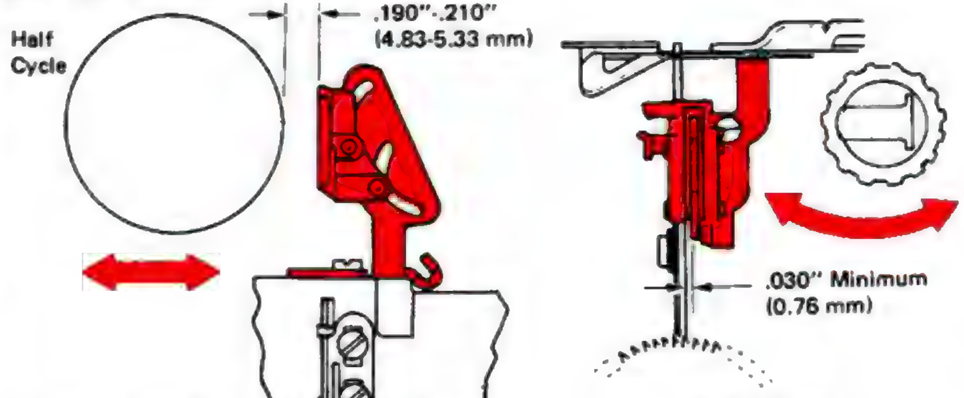


(Right Side View) *(Left Side View)*

322 Cardholder (26-41)

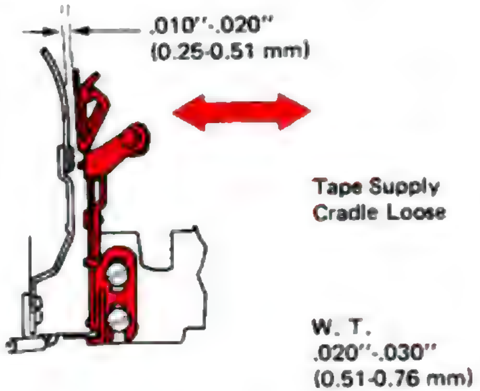


323 Left-Hand Ribbon Lift Guide (26-72)

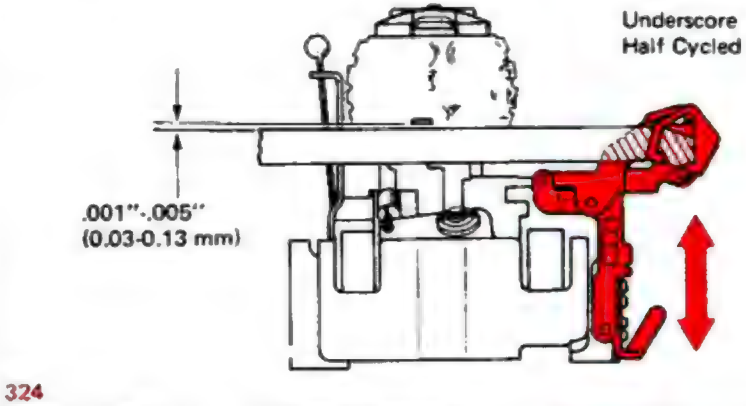


(Left Side View) *(Top View)*

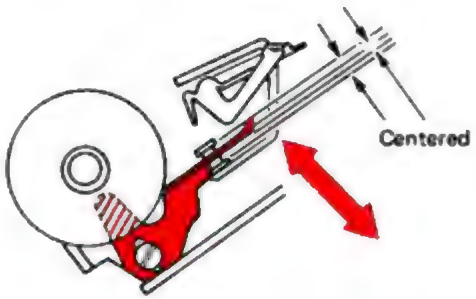
324 Tape Lift Assembly Front To Rear (26-71)



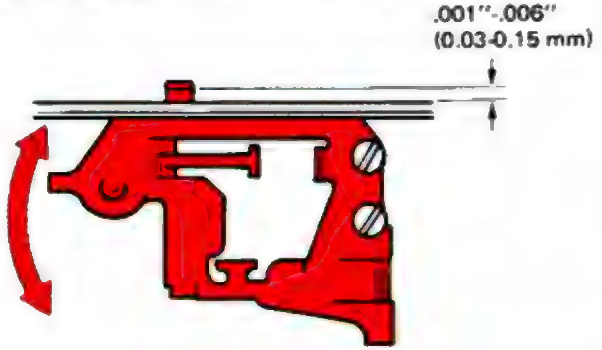
325 Tape Lift Assembly Vertical (26-71)



326 Tape Supply Cradle Fork (26-34)

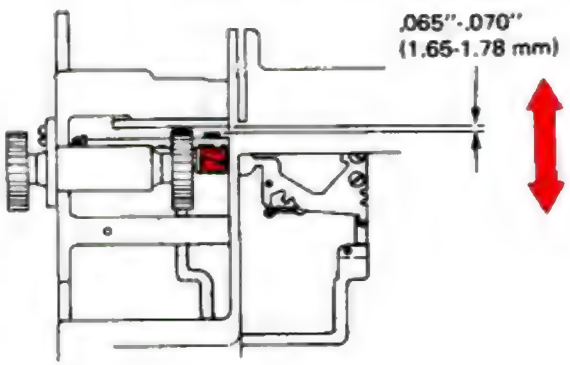


327 Torque Bar Back-Up Lug (26-55)



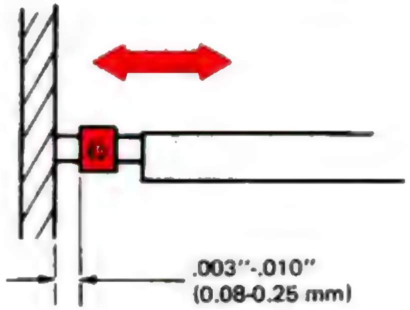
(Pre-FTB) *(Bottom View)*

(26-132)



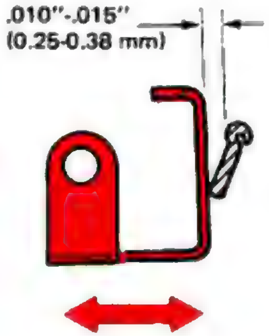
(FTB)

328 Correcting Torque Bar End Play (26-98)



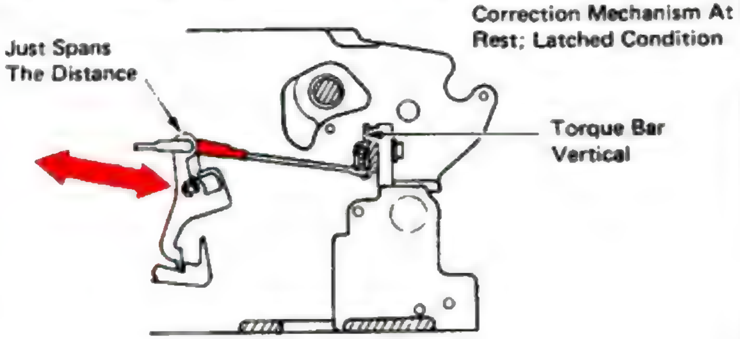
(Pre-FTB)

329 Torque Bar Stop Bracket (26-89)

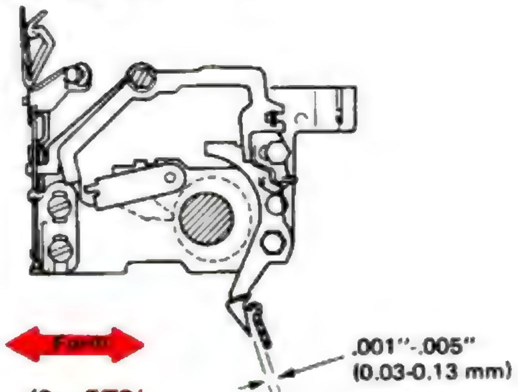


(Pre-FTB)

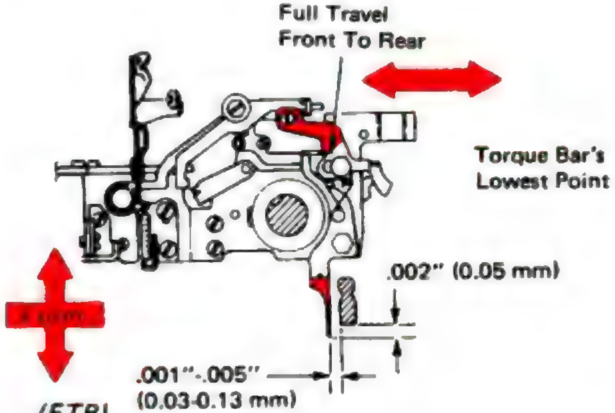
330 Torque Bar Link (Preliminary) (26-86)



331 Lift Actuating Arm (26-62)

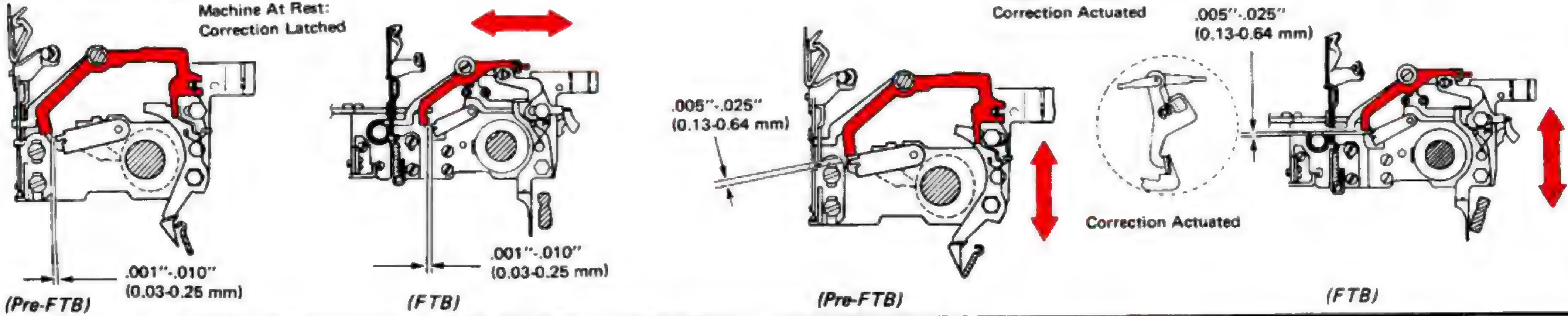


(Pre-FTB)



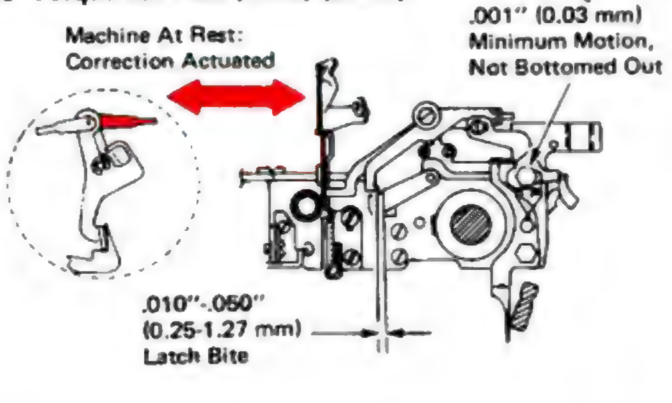
(FTB)

332 Lift Arm Latch (26-66)

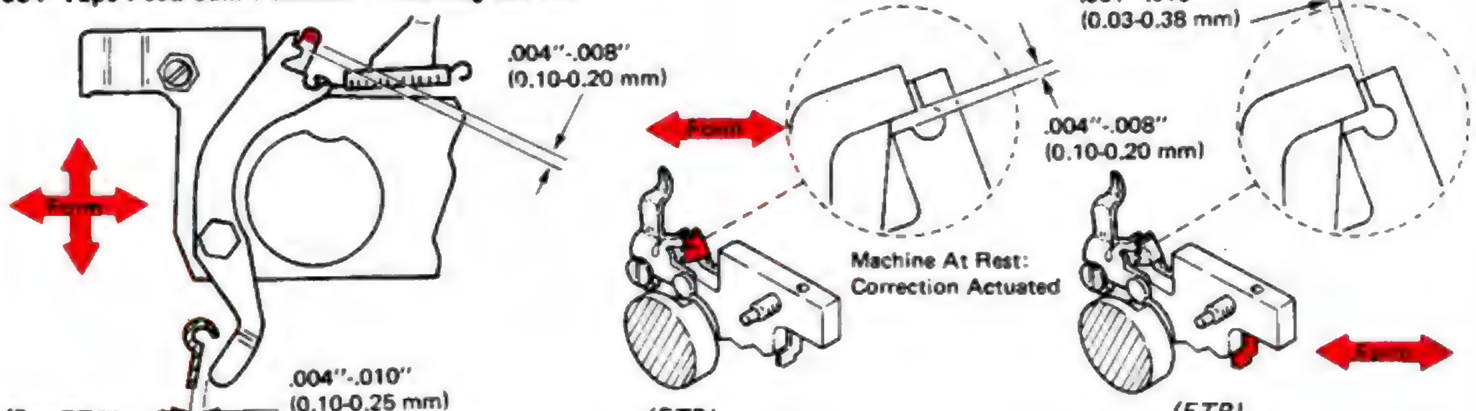


(Pre-FTB) *(FTB)* *(Pre-FTB)* *(FTB)*

333 Torque Bar Link (Final) (26-86)

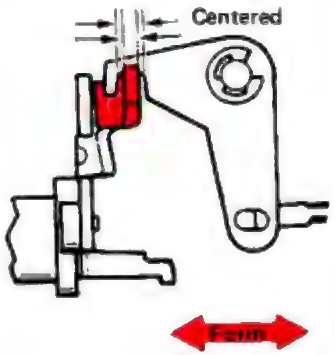


334 Tape Feed Cam Follower Front Lug (26-53)

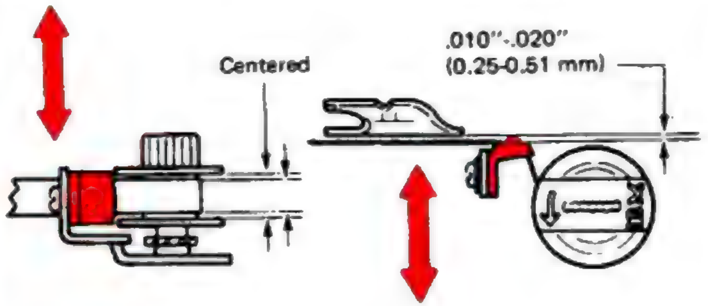


(Pre-FTB) *(FTB)* *(FTB)*

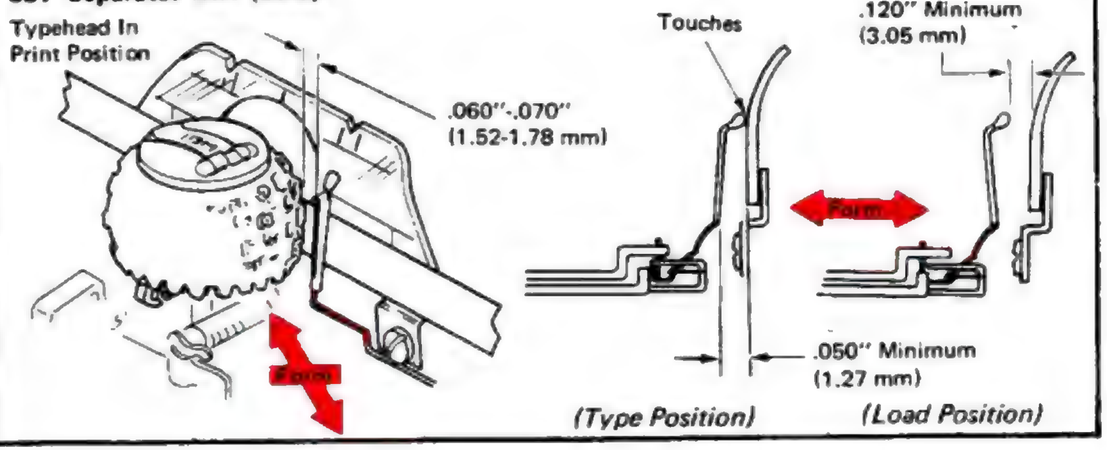
335 Tape Feed Cam Follower Rear Lug (26-45)



336 Guide (26-13)

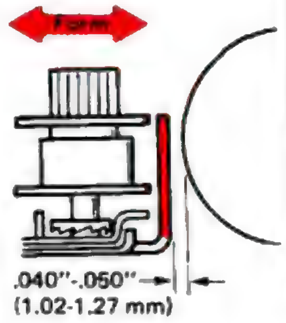


337 Separator Wire (26-9)

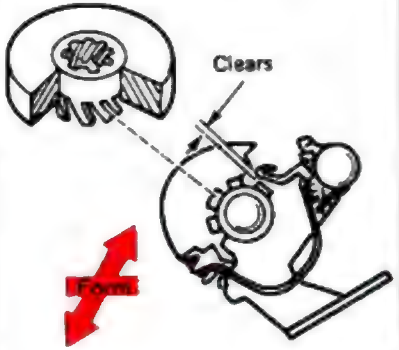


(Type Position) *(Load Position)*

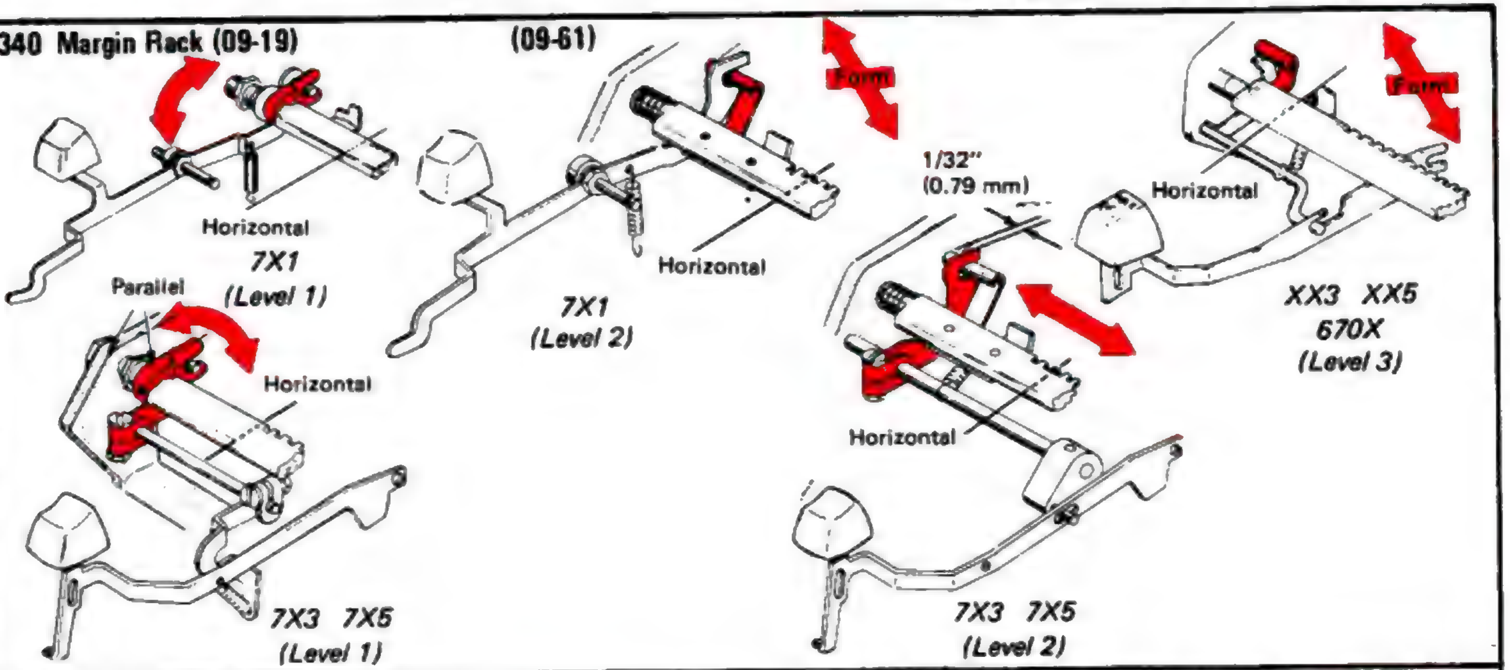
338 Paper Guide Lug (26-20)



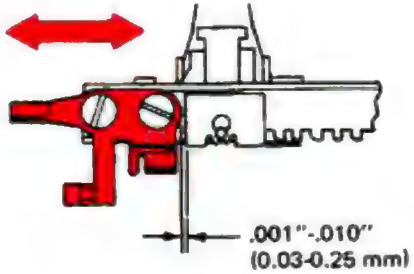
339 High Bias Spring (26-34)



340 Margin Rack (09-19)

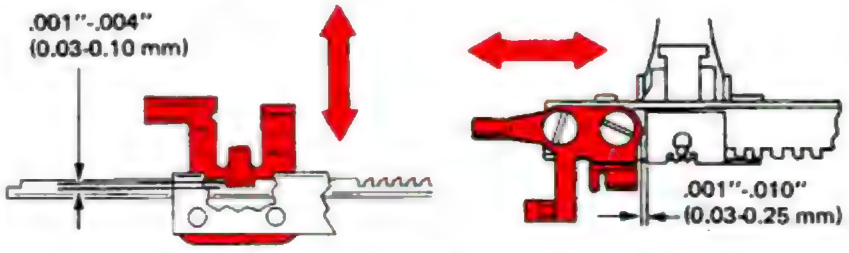


341 Left Final Stop (09-61)



(NRB/S)

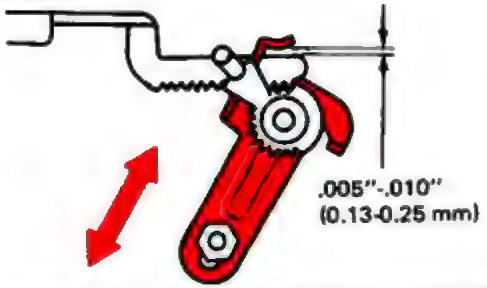
342 Left Final Stop (10-17)



(Top View) (RB/S) (Bottom View)

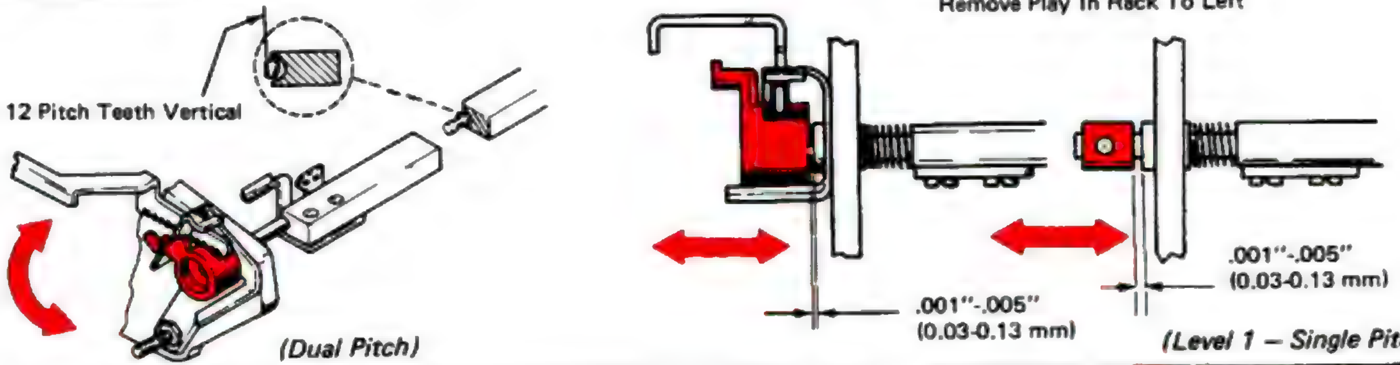
343 Margin Pitch Link Guide Bracket (10-25)

12-Pitch Mode



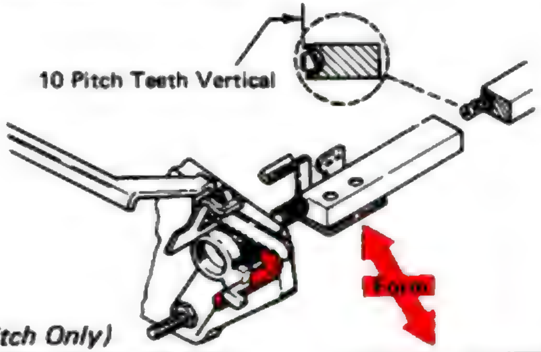
344 Margin Rack Gear (10-29)

Hold Rail To Right.
Remove Play In Rack To Left



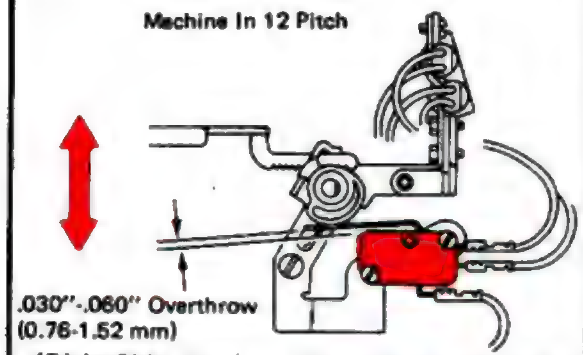
(Dual Pitch) (Level 1 – Single Pitch)

345 Front Margin Rack Gear Stop (10-25)



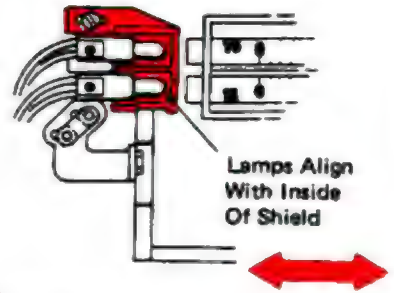
(Dual Pitch Only)

346 Lighted Margin Switch (10-112)



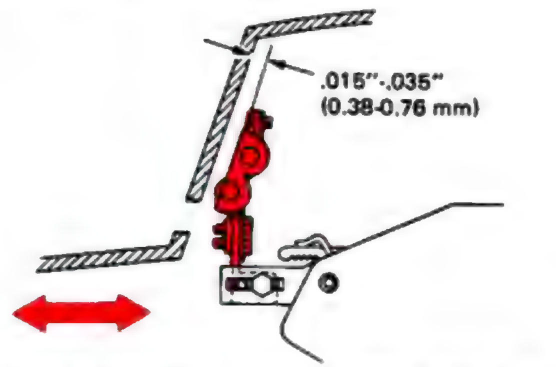
(Right Side View) *(Dual-Pitch 670X Only)*

347 Lamp Shield (10-117)



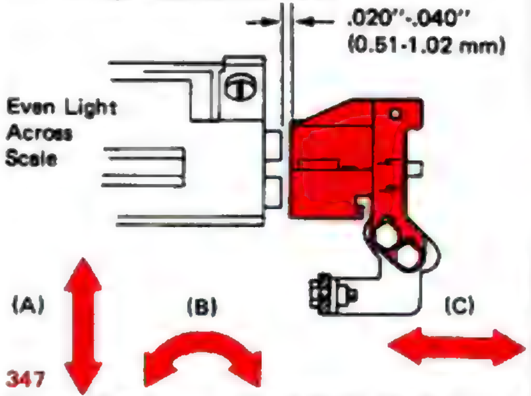
(Front View) *(Dual-Pitch 670X Only)*

348 Lamp Mounting Bracket (10-117)



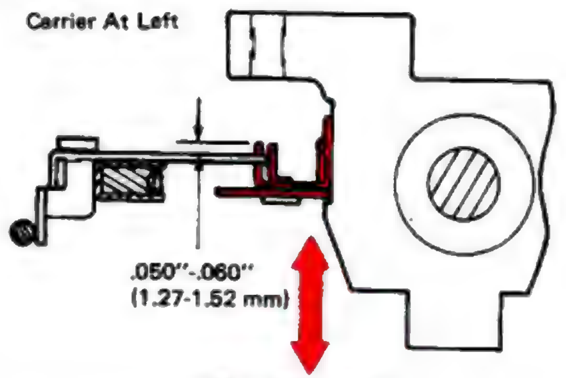
(Right Side View) *(Dual-Pitch 670X Only)*

349 Lamp Bracket (10-117)



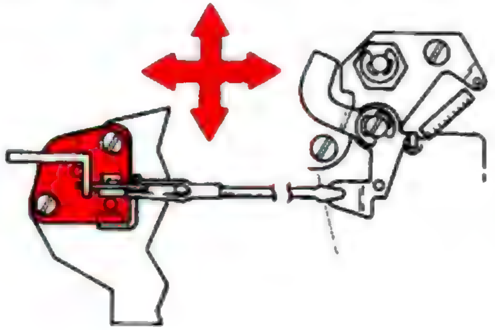
(Rear View) *(Dual-Pitch 670X Only)*

350 Linelock Bracket (09-5)

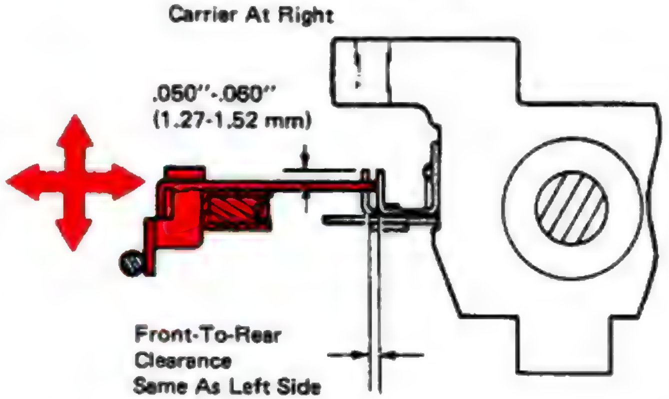


(Right Side View)

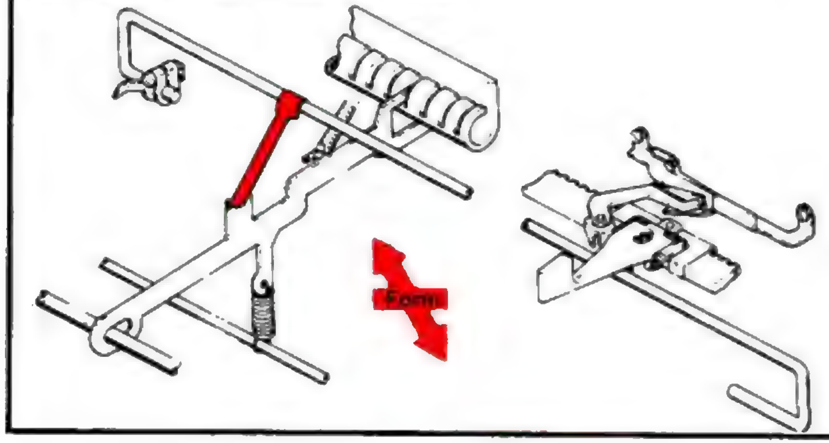
351 Margin Rack (09-71)



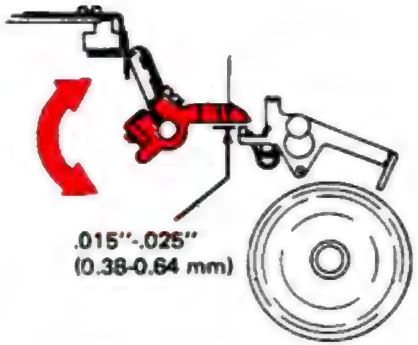
(10-13)



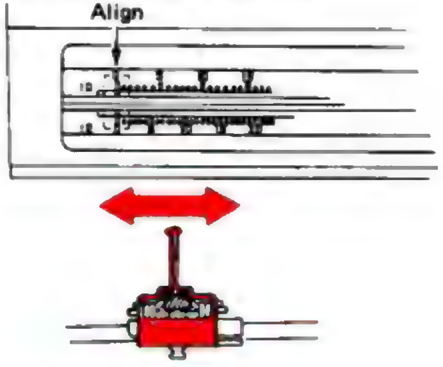
352 Bellringer Bail Extension (09-80)



353 Bellclapper Bellcrank (09-76)

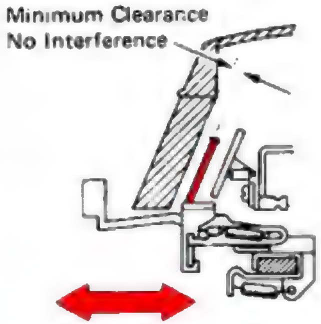


354 Margin Set Lever Pointer (10-101)



(Dual-Pitch 670X Only)

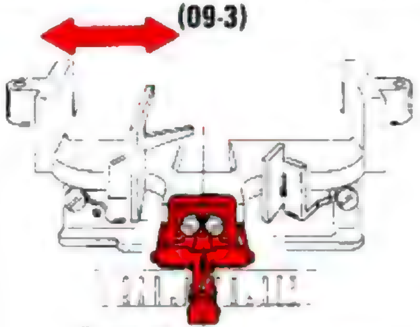
355 Margin Set Lever Pointer (10-100)



(Dual-Pitch 670X Only)

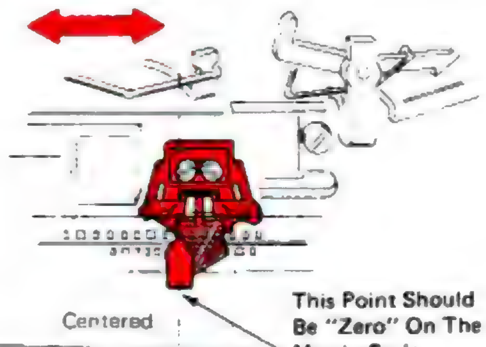
356 Carrier Pointer Left To Right

(09-3)

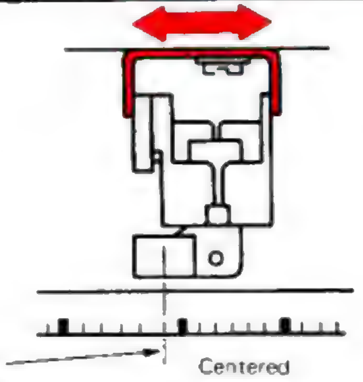


(Level 1)

(10-40)

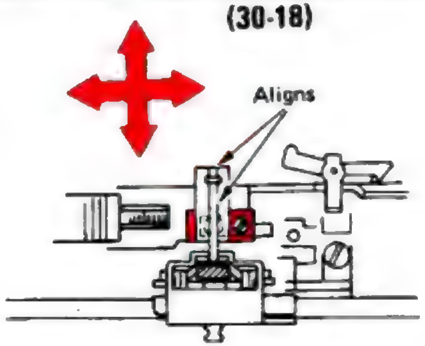


(Level 2)



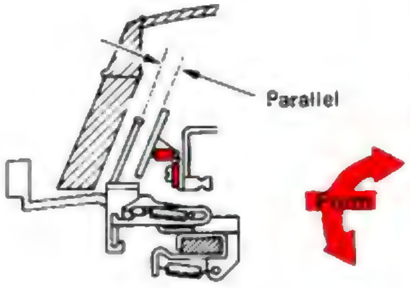
(Sound Reduction 8XX)
(Single-Pitch 670X)

(30-18)



(Dual-Pitch 670X)

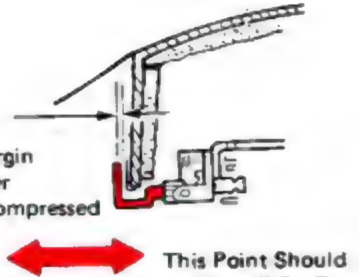
357 Carrier Pointer Parallel (10-108)



358

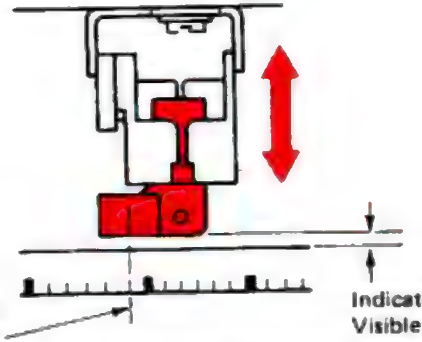
(Dual-Pitch 670X Only)

358 Carrier Pointer Front To Rear (10-37)


Clears Cover And Margin Set Lever When Compressed
This Point Should Be "Zero" On The Margin Scale.

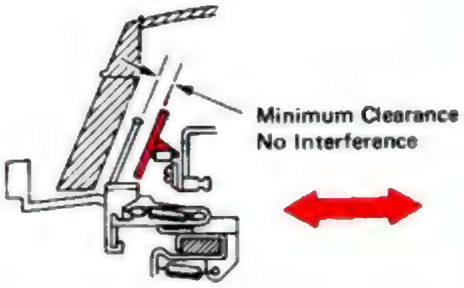
(Level 2)

(30-19)



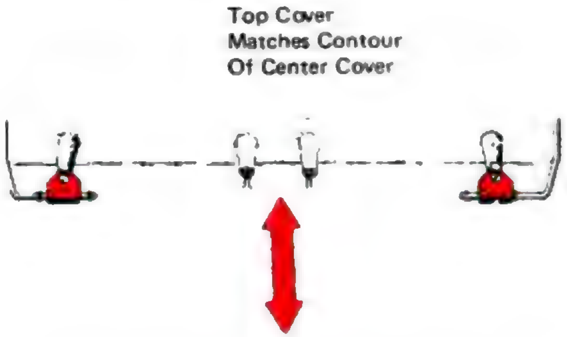
(8XX Sound Reduction)
(Single-Pitch 670X)

(10-107)

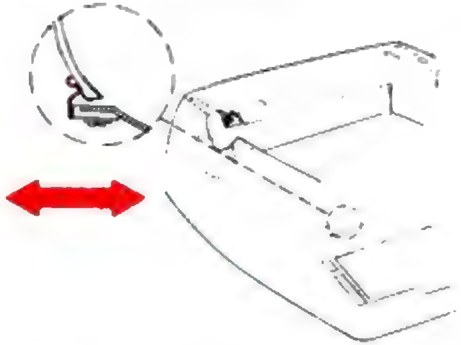


(Dual-Pitch 670X Only)

359 Top Cover Hinge (04-04) (05-04)

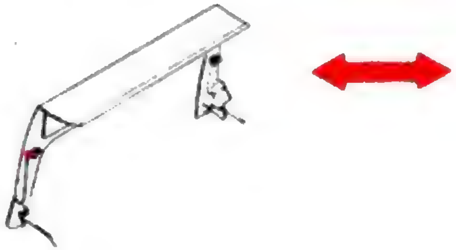


360 Top Cover Latches (04-83)



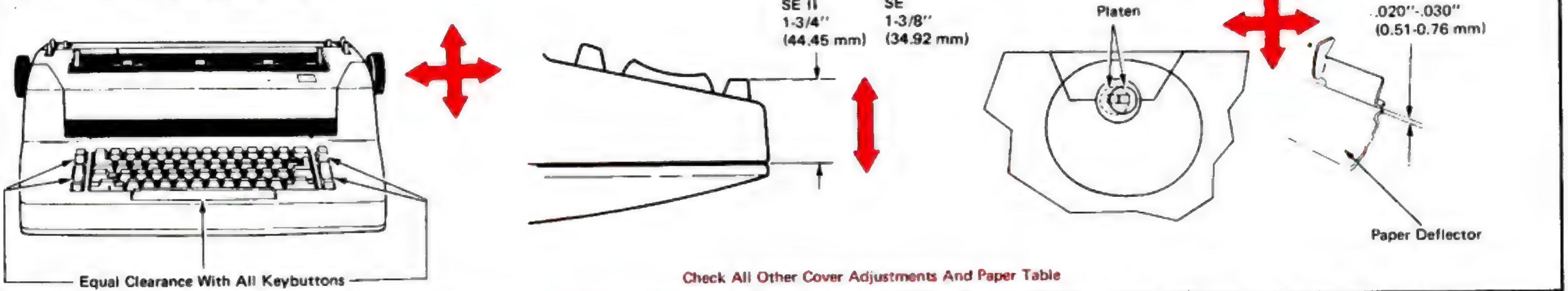
(Level 1)

(05-02)



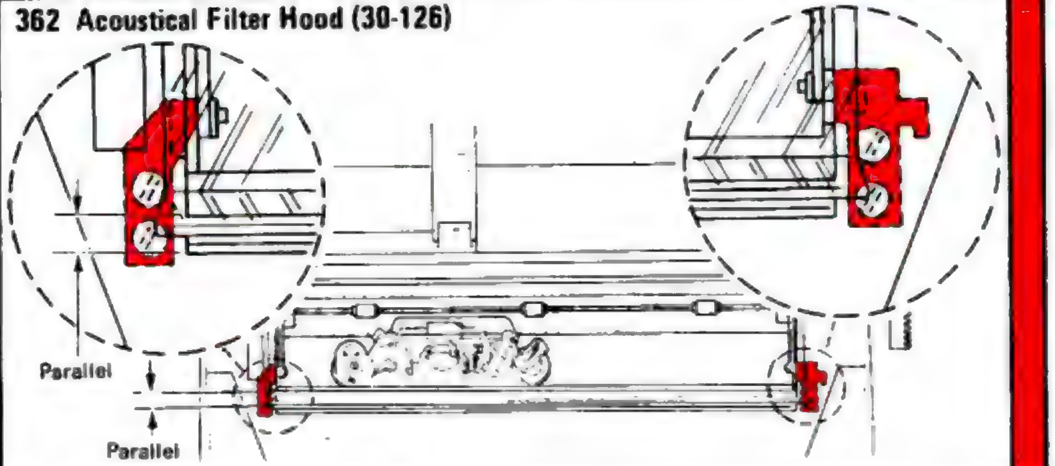
(Level 2)

361 Cover Mounts (04-251) (04-230)

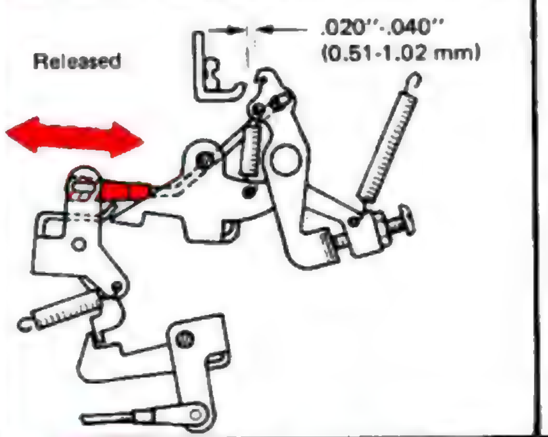


Check All Other Cover Adjustments And Paper Table

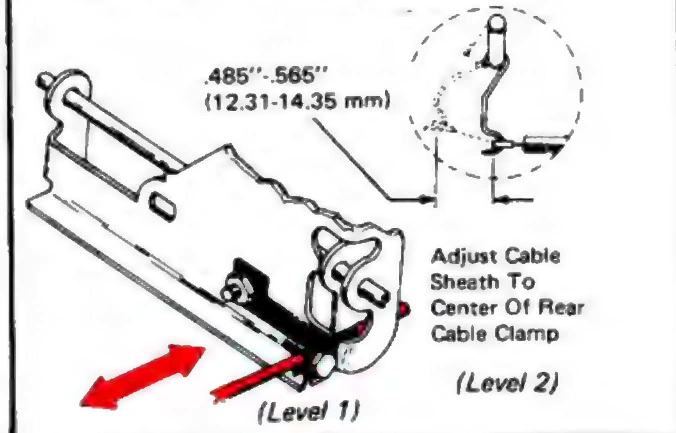
362 Acoustical Filter Hood (30-126)



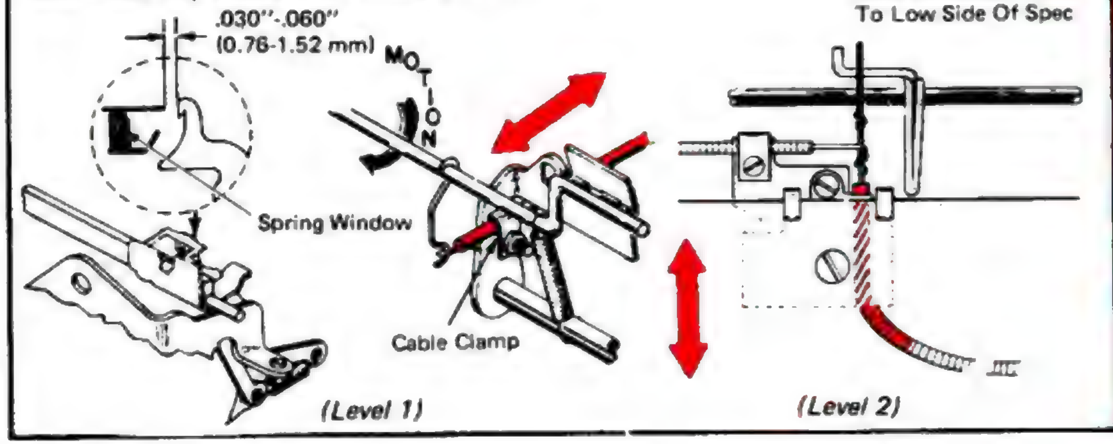
363 Trigger Link (Dead Key Only) (26-76)



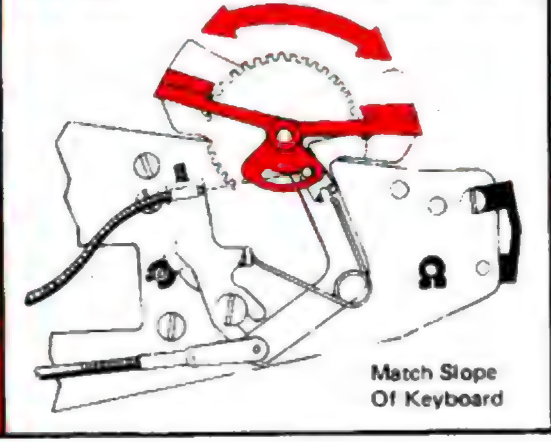
364 Dead Key Rear Cable Clamp (40-11)



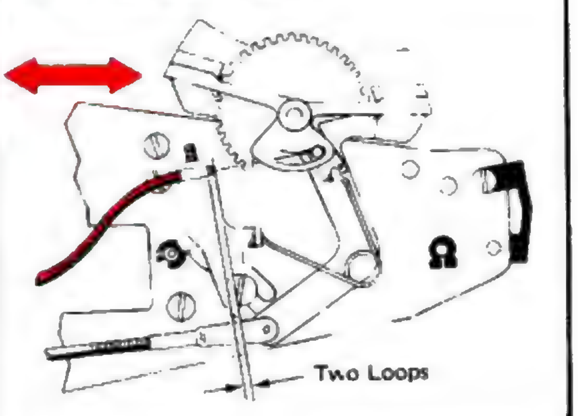
365 Dead Key Front Cable Clamp (40-11)



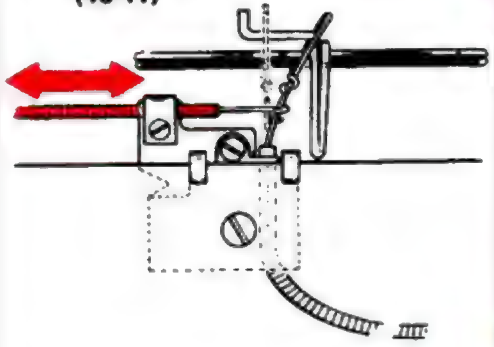
366 Dead Key Disconnect Indicator (40-29)



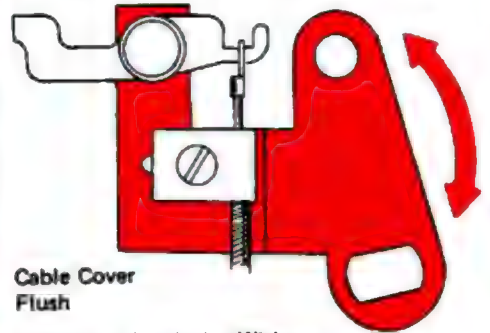
367 Cable Sheath (40-41)



368 Dead Key Disconnect Cable Clamp (40-41)



369 Double Index Bellcrank

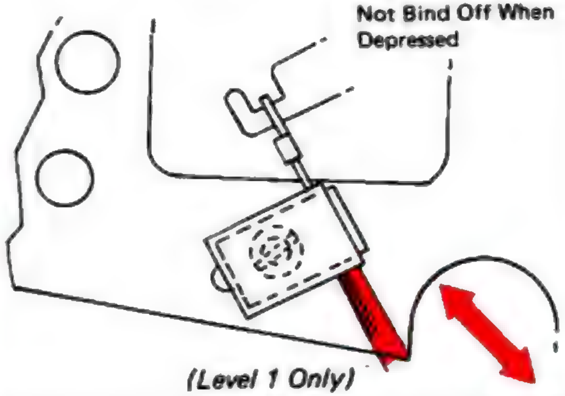


Cable Cover Flush

Adjust To Trip Index Without Binding Off Latch

(Level 1 Only)

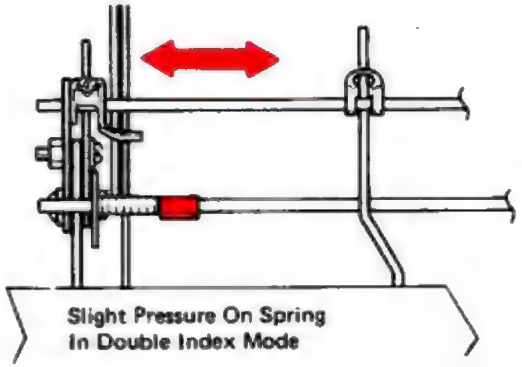
370 Side Frame Clamp



Index Keylever Does Not Bind Off When Depressed

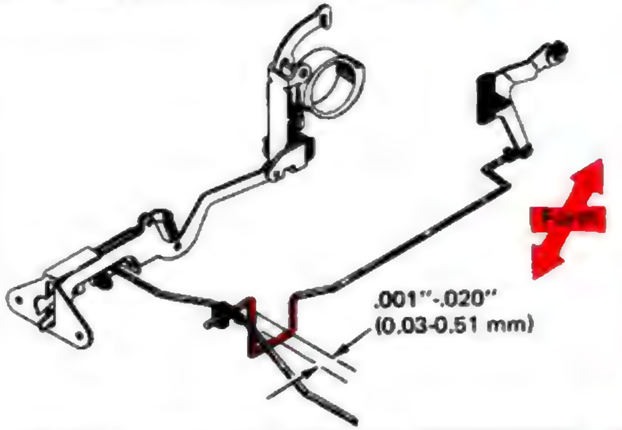
(Level 1 Only)

371 Trip Shaft Clip (20-33)

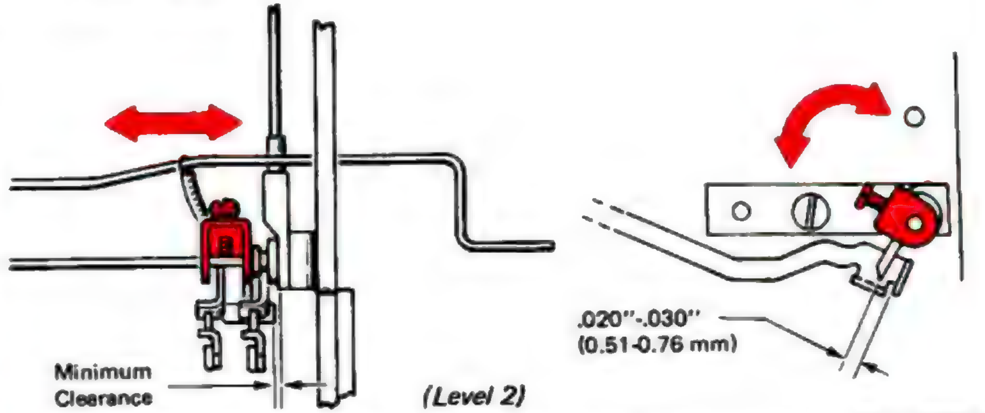


Slight Pressure On Spring In Double Index Mode

372 Carrier Return Interlock Link (20-35)



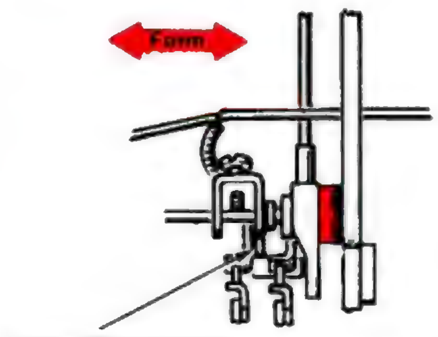
373 Tripper (20-39)



Minimum Clearance

(Level 2)

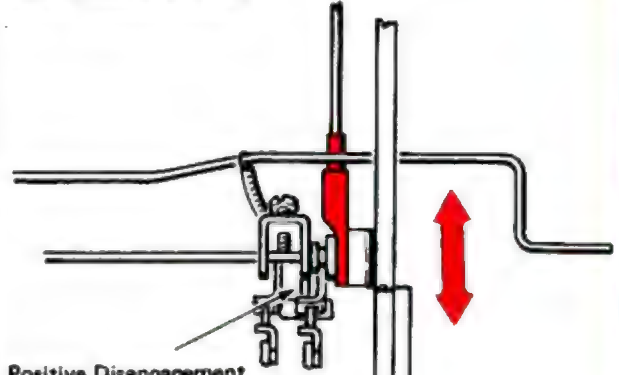
374 Locator (20-45)



Positive Disengagement

(Level 2)

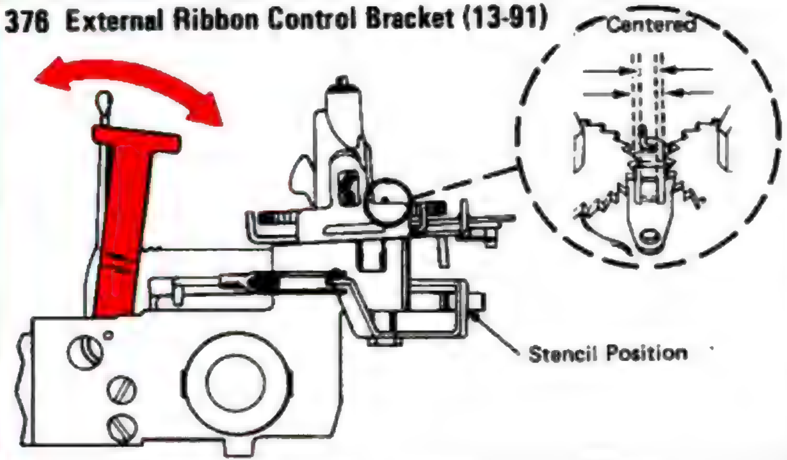
375 Locator (20-44)



Positive Disengagement

(Level 2)

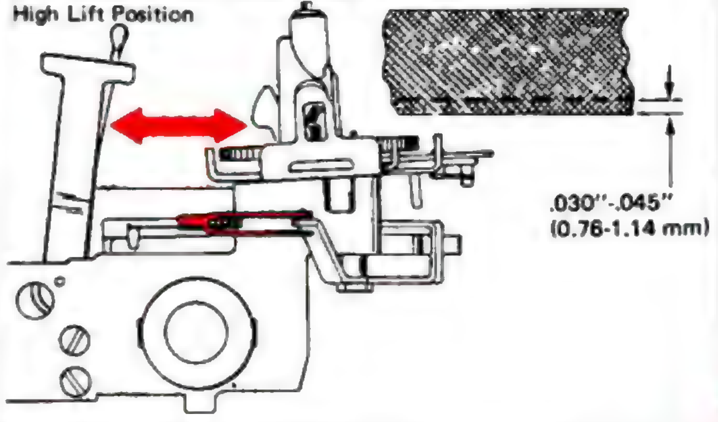
376 External Ribbon Control Bracket (13-91)



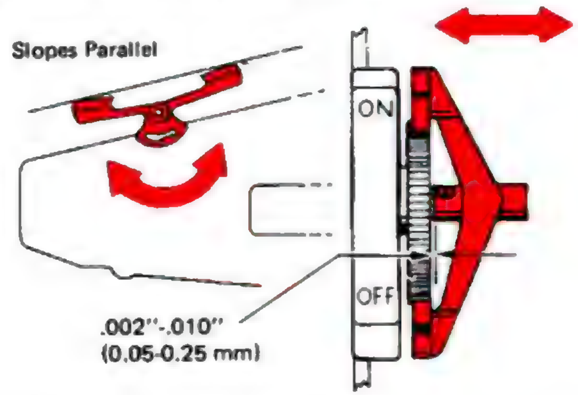
Stencil Position

377 Ribbon Lift Control Link (13-63)

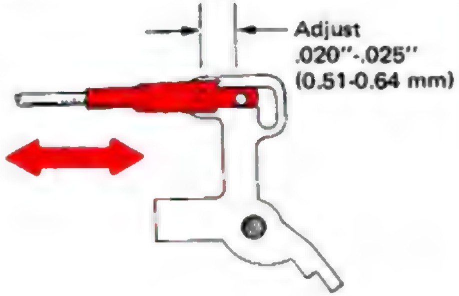
High Lift Position



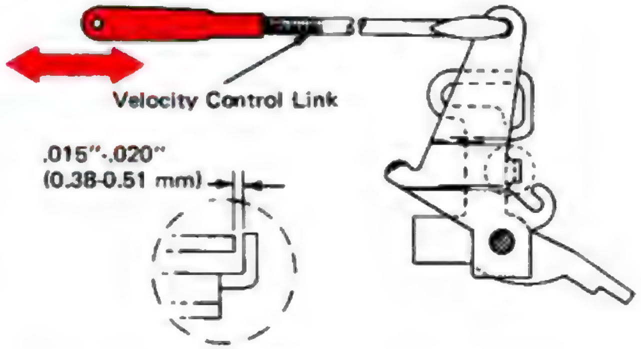
378 Manual Velocity Control Indicator (21-543)



379 Manual Velocity Low Velocity Link (21-550)

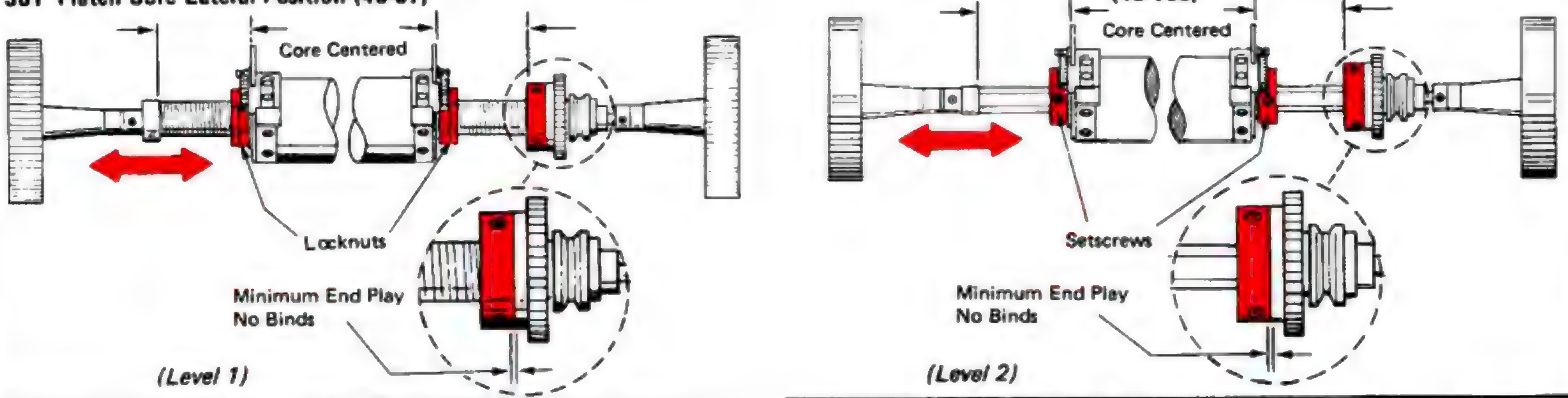


380 Manual Velocity Control Link (21-546)



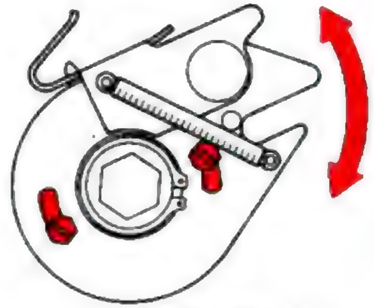
(Top View)

381 Platen Core Lateral Position (49-07)

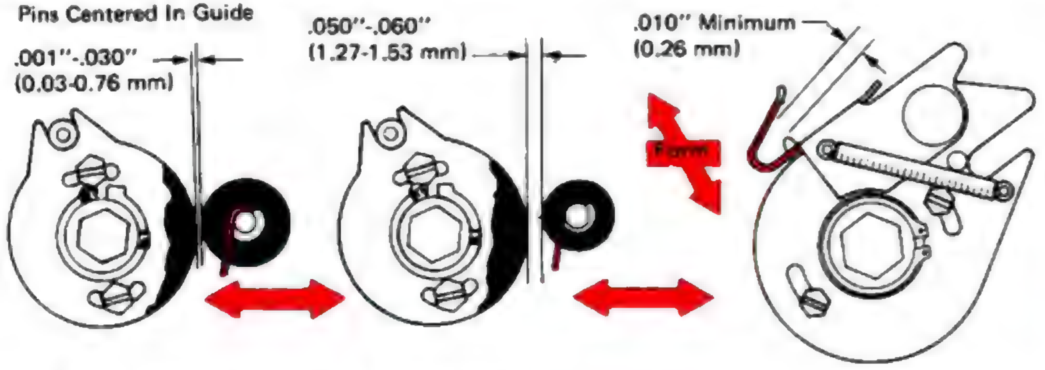


(Level 1) *(Level 2)*

382 Pinwheel (49-08)

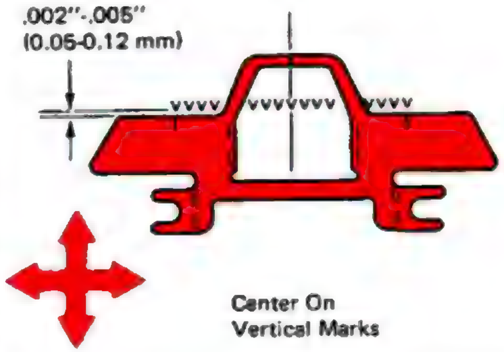


383 Pinwheel Paper Guide (49-105)

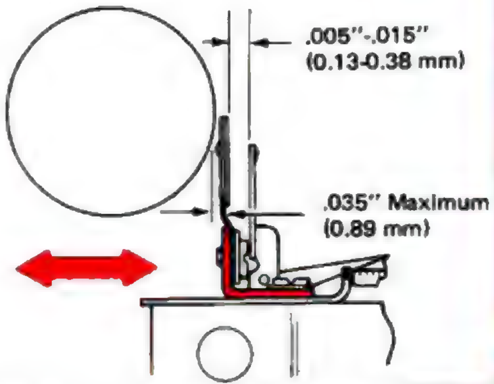


(Large Rollers) *(Small Rollers)*

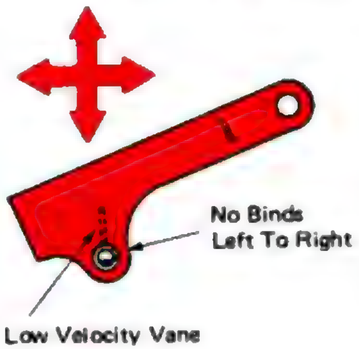
384 Cardholder (49-21)



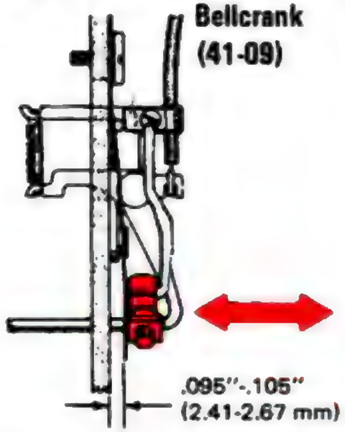
385 Cardholder Mounting Bracket (22-164) (22-167)



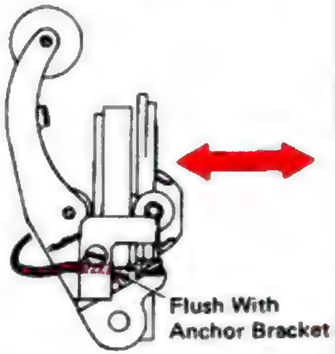
386 Vane Return Spring (41-07)



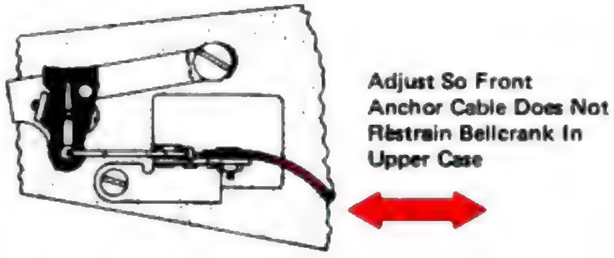
387 Shift Sensing Vane Bellcrank (41-09)



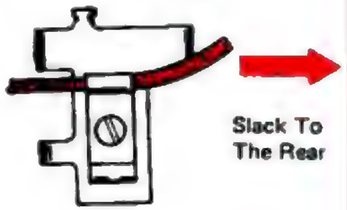
388 Rear Cable Clamp (41-25)



389 Front Cable Clamp (41-18)



390 Center Cable Clamp (41-25)



SERVICE CALL PROCEDURE

Preventive Maintenance MUST BE PERFORMED On Each Service Call.

Each Service Call Must Include:

A. Note operator comments.
B. Identify and correct operator complaint.
C. Initial functional check — Look for parts wear, marginal adjustments, and proper lubrication.

With Special Attention To:

1. Character Selection
2. Keyboard
3. Carrier And Rocker
4. Cycle Shaft/Gear Train
5. Operational Area (Carrier Return, Backspace, Tab, Spacebar, Index)
6. Shift

D. Repair, replace parts, and lubricate as necessary.
E. *Perform electrical safety check.
F. When necessary, remove covers and clean.
G. All areas visible to the operator (e.g., rubber parts, cardholder, element/type, and covers) must be clean and in good repair.
H. Perform final functional check.
I. Work performed should be discussed with the operator and must be recorded on the history card.

*A visual or physical inspection must be made of the primary wiring on the machine during each service call. **Defects in any electrical component must be replaced immediately!** Do not wait until the next service call. Always exercise care when working on electrical areas of the machine. Be certain that no action on your part makes the product unsafe or exposes the customer to hazards.

LUBRICATION

The "Selectric" Typewriter will not operate dependably and reliably if it is not thoroughly and properly lubricated.

Use IBM No. 10 oil on the following:

a. Print shaft wipers
b. Selector cam shaft bearing
c. Margin rack bearing
d. Margin stops
e. Carrier shoe
f. Rotate detent guide, upper and lower ball sockets, tilt detent pivots
g. Motor
h. Selection bail rollers
i. Index pawl assembly
j. All links and clevises at both ends
k. Ribbon feed and reverse plate
l. Backspace intermediate lever
m. Differential assemblies
n. All functional parts and pivots in operational box assembly
o. Tilt arm pivot and rotate link stud
p. Rotate arm pivot and rotate link pivot studs
q. Carbon ribbon drive spring and bearing
r. Power frame center bearing
s. Platen bushings
t. Tilt latch mounting stud and bellcrank
u. All other rotating or pivoting members at the bearing area which are not excepted in the following lists:

Use IBM No. 23 grease on the following:

a. Operational ratchets
b. Keylever return springs
c. Interposer latch springs
d. Ribbon lift control lever
e. Linelock bracket
f. Filter shaft flutes
g. Operational keylever pawl guide studs
h. Tape guide
i. All cams on print sleeve
j. Ball joint
k. Cycle clutch and shift clutch springs
l. Feed roll bearing
m. Cycle clutch restoring cam
n. Low velocity latch contacts
o. All sliding parts not excepted
p. All selective ribbon takeup gears
q. Selective ribbon lift guide sliding members
r. Correcting tape feed bellcrank latching surface
s. Torque limiter spring
t. Element (or silicone grease)

DO NOT LUBRICATE:

a. Shift brake (braking surface)
b. Gear train
c. Carrier return and tab pinions

FUNCTIONAL CHECK

MISCELLANEOUS

1. Visual Inspection
2. ON/OFF Switch, Keyboard Lock
3. Margin Set
4. Margin Release
5. Linelock And Bell
6. Scales And Carrier Indicator
7. Switch Pitch Lever (Dual Pitch)
8. Index
9. Shift Lock
10. Margin Lights

PAPER HANDLING

1. Paper Insertion
2. Paper Release
3. Multiple Copy Control
4. Detent Release
5. Platen Variable

CARRIER MOVEMENT (Check all items in both pitches on dual-pitch machines.)

1. Spacebar And Escapement
2. Half Backspace
3. Backspace
4. Carrier Return
5. Express Backspace
6. Tab

RIBBON OPERATION

1. Ribbon Feed
2. Ribbon Lift Pattern
3. Ribbon Path And Tracking
4. Stencil Position
5. Ribbon Reverse (Fabric Ribbon)

PRINT

1. Strike Up — Check For:
   a. Impression
   b. Selection
   c. Alignment
   d. Keyboard Touch
   e. Shift
2. Repeat Character
3. Impression Control

CORRECTING MECHANISM

1. Type several characters.
2. Depress correcting key.
   a. Carrier should backspace once.
3. Restrike last character.
   a. Character removed (lift-off tape) or character covered (cover-up tape)
   b. No escapement
4. Type new character.
   a. Same position as original character.
   b. Normal escapement and print should resume.
5. Repeat steps 1 through 4.
   a. No overlap of characters on correcting tape.

ELECTRICAL SAFETY CHECK

For both Per Call and Service Agreement machines, a visual or physical inspection must be made of the primary wiring on the machine during each service call.

VISUAL CHECK FOR ELECTRICAL HAZARDS

1. Linecords that have become damaged must be replaced.
2. Wires that are cut, rubbing on mechanical parts, or loose in the machine, must be replaced or relocated. Use cable tie or something similar to hold loose wires.
3. Whenever a switch cover, wire retainer, or safety shield has been removed for servicing, it must be reinstalled when service is completed.
4. Wire connections should only be replaced with wire nuts for crimp-on connectors. Neither tape nor insulating splice should be used.
5. Inspect all linecords that pass through holes in metal desks for cuts or markings. When necessary, grommets or tape should be placed over these edges that come in contact with the linecord.
6. Check to ensure:
   a. that all double-insulation components are installed
   b. that insulating paper isolates capacitors from a machine frame on two-wire products
   c. that no parts, such as paper clips, staples, etc., have become jammed between electrical components and the machine frame, grounding that component to the machine frame. Check the particular product CEMs for a description of the required components.
7. Modifications made by customers to their machines, which expose Customer Engineers to electrical hazards, must be reported to your management.

CAUTION: Unplug the machine before working on electrical area.

A quick visual check of the electrical components in equipment during each service call will reduce the possibility of exposing a customer or CE to electrical shock. **Defects in any electrical component must be replaced immediately!** Do not wait until the next service call. Always exercise care when working on electrical areas of the machine. Be certain that no action on your part makes the product unsafe or exposes hazards to the customer.

BROKEN TAPES CHECK

Rotate Tape

1. Rotate detent clearance (skirt)
2. Print shaft timing
3. Shift interlock adjustments
4. Defective rotate arm and shift arm pulleys
5. Tape guide
6. Negative latch clearance insufficient
7. Latch links: too long/too short
8. Popping latches
9. Latch angle
10. Broken or sticking rotate spring
11. Binding on non-greased type element
12. Shift arm pulley
13. Chips or defects in rotate pulleys
14. Rotate pulley key
15. Loose screw in differential bracket

Tilt Tape

1. Detent to tilt ring clearance
2. Burrs on tilt pulleys
3. Binds in tilt ring
4. Sector gear
5. Print shaft timing
6. Tilt pulley spring (off or broken)
7. Loose detent follower
8. Tilt tape/carrier shoe eccentric stud

STANDARD U.S. TYPE ELEMENTS 7XX 8XX

Tilt Latches Used	Rotate											Type Element Positions
	R-5	R-4	R-3	R-2	R-1	Home	R+1	R+2	R+3	R+4	R+5	
T-0	[/]	# / 3	& / 7	* / 8	$ / 4	Z / z	@ / 2	% / 5	¢ / 6	) / 0	(/ 9	Tilt T-0
T-1	X / x	U / u	D / d	C / c	L / l	T / t	N / n	E / e	K / k	H / h	B / b	T-1
T-2	M / m	V / v	R / r	A / a	O / o	° / !	· / .	" / '	I / i	S / s	W / w	T-2
T-1, T-2	G / g	F / f	: / ;	' / ,	? / /	J / j	+ / =	P / p	Q / q	Y / y	— / -	T-3
	-5	-5 R-1	-5 R-2	-5 R-1 R-2	-5 R-2 R-2A	HOME	R-1	R-2	R-1 R-2	R-2 R-2A	R-1 R-2 R-2A	Rotate Latches Used

STANDARD U.S. 96 TYPE ELEMENTS

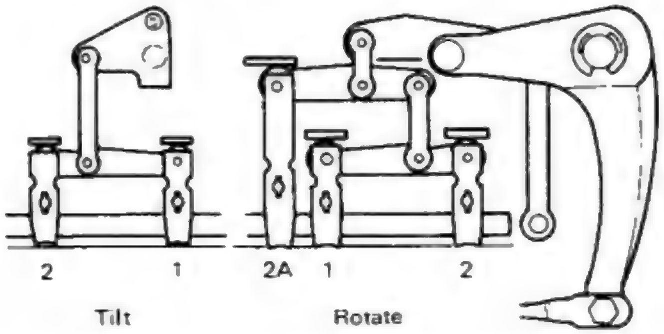
Tilt Latches Used	Rotate												Type Element Positions
	R-6	R-5	R-4	R-3	R-2	R-1	Home	R+1	R+2	R+3	R+4	R+5	
T-0	? / /	= / 3	(/ 9	* / 8	$ / 4	¢ / 6	) / 0	@ / 2	% / 5	& / 7	³ / ²	Z / z	Tilt T-0
T-1	+ / =	¶ / §	U / u	K / k	B / b	C / c	E / e	T / t	S / s	I / i	" / '	: / ;	T-1
T-2	° / ±	¼ / ½	H / h	X / x	A / a	N / n	R / r	O / o	D / d	W / w	M / m	V / v	T-2
T-1, T-2	' / ,	[/]	G / g	L / l	F / f	Y / y	P / p	Q / q	J / j	· / .	! / 1	— / -	T-3
	-6	-6 R-1	-6 R-2	-6 R-1 R-2	-6 R-2 R-2A	-6 R-1 R-2 R-2A	HOME	R-1	R-2	R-1 R-2	R-2 R-2A	R-1 R-2 R-2A	Rotate Latches Used

FILL IN FOR OTHER TYPE ELEMENTS 7XX 8XX

Tilt Latches Used	Rotate											Type Element Positions
	R-5	R-4	R-3	R-2	R-1	Home	R+1	R+2	R+3	R+4	R+5	
T-0	/	/	/	/	/	/	/	/	/	/	/	Tilt T-0
T-1	/	/	/	/	/	/	/	/	/	/	/	T-1
T-2	/	/	/	/	/	/	/	/	/	/	/	T-2
T-1, T-2	/	/	/	/	/	/	/	/	/	/	/	T-3
	-5	-5 R-1	-5 R-2	-5 R-1 R-2	-5 R-2 R-2A	HOME	R-1	R-2	R-1 R-2	R-2 R-2A	R-1 R-2 R-2A	Rotate Latches Used

FILL IN FOR OTHER TYPE ELEMENTS

Tilt Latches Used	Rotate												Type Element Positions
	R-6	R-5	R-4	R-3	R-2	R-1	Home	R+1	R+2	R+3	R+4	R+5	
T-0	/	/	/	/	/	/	/	/	/	/	/	/	Tilt T-0
T-1	/	/	/	/	/	/	/	/	/	/	/	/	T-1
T-2	/	/	/	/	/	/	/	/	/	/	/	/	T-2
T-1, T-2	/	/	/	/	/	/	/	/	/	/	/	/	T-3
	-6	-6 R-1	-6 R-2	-6 R-1 R-2	-6 R-2 R-2A	-6 R-1 R-2 R-2A	HOME	R-1	R-2	R-1 R-2	R-2 R-2A	R-1 R-2 R-2A	Rotate Latches Used

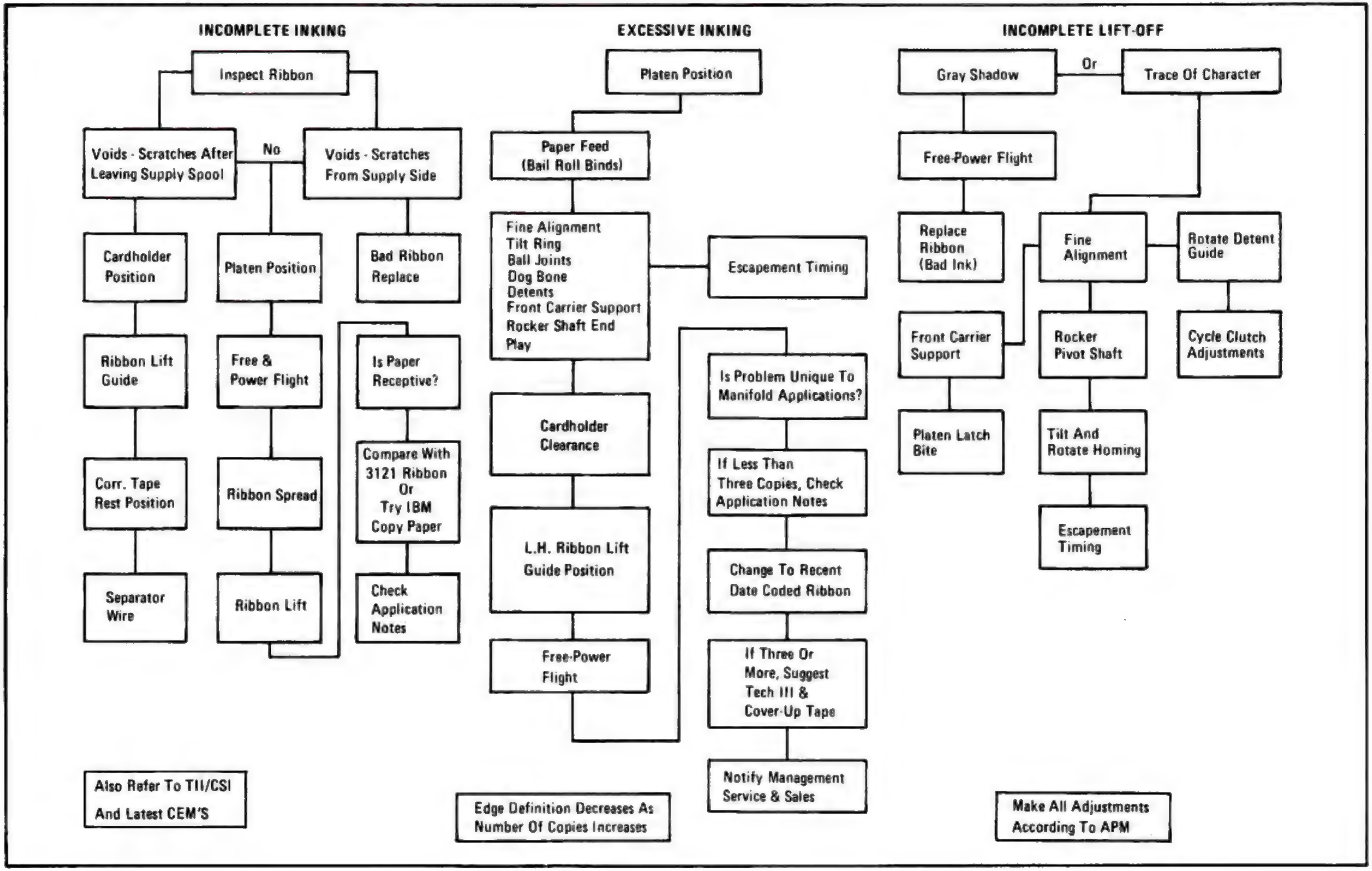


APPLICATIONS RECOMMENDATIONS FOR IBM RIBBONS

	IBM General Purpose Fabric Ribbons	Film Carbon Ribbons (All)	OCR Film Carbon Ribbon	"Special" Film Carbon Ribbon (5122)	IBM Tech III Ribbon	IBM Correctable Film Ribbon
TYPING APPLICATIONS						
Correspondence		x			x	x
Statistical Correspondence	x	x			x	x
Specification Writing	x	x			x	x
Medical Reports	x	x			x	x
Executive Correspondence		x			x	x
Routine Correspondence	x	x			x	x
Typing on Hard-to-Image Originals	x		x	x	x	
Ex. Engineering Drawings						
Optical Character Recognition		x	x		x	
Manifolding					x	
** Speech Writing	x	x			x	
Negotiable Instruments	x	x		x	x	
(checks, stocks, etc.)						
* Erasable Bond Papers	x		x	x	x	
REPRODUCTION APPLICATIONS						
Heat Transfer Copying	x	x	x	x	x	x
Transfer Electrostatic Reproduction	x	x	x	x	x	x
Direct Electrostatic Reproduction	x	x	x	x	x	x
Offset Masters (Direct to Plate)	x	x		x	x	
Offset Masters (Copier Process)	x	x	x	x	x	x
Offset Masters (Photo Process)	x	x			x	
Stencil Writing (Mimeograph)						
Diazo Process (Ozalid or Bruning)						
Spirit Duplication						
(Hecktographic or Ditto)						

* The receptivity of the surface of these materials vary widely and care must be used in the selection of a specific material, typestyle and ribbon to produce the best result. When in doubt, let the customer try it first.

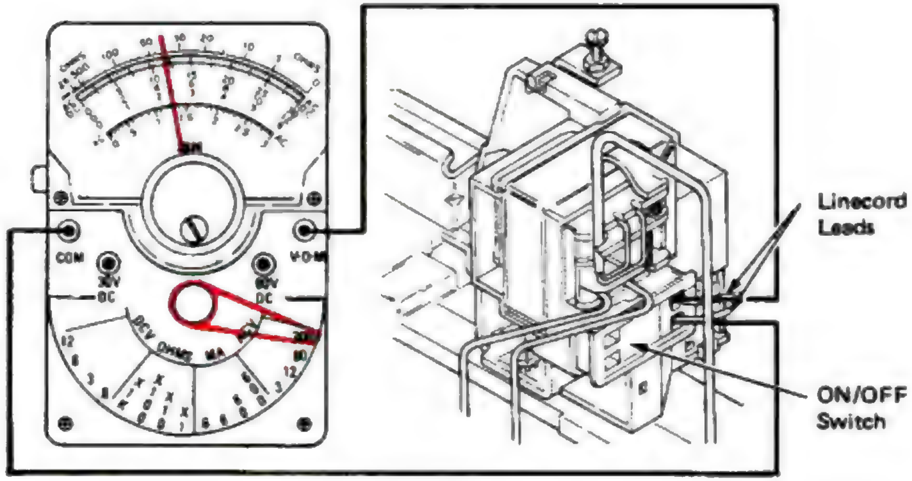
** Best results with Orator element are obtained by using IBM Tech III Ribbon.


INCOMPLETE INKING
Inspect Ribbon
Voids - Scratches After Leaving Supply Spool
No
Voids - Scratches From Supply Side
Cardholder Position
Ribbon Lift Guide
Corr. Tape Rest Position
Separator Wire
Platen Position
Free & Power Flight
Ribbon Spread
Ribbon Lift
Bad Ribbon Replace
Is Paper Receptive?
Compare With 3121 Ribbon Or Try IBM Copy Paper
Check Application Notes
Also Refer To TII/CSI And Latest CEM'S
EXCESSIVE INKING
Platen Position
Paper Feed (Bail Roll Binds)
Fine Alignment Tilt Ring Ball Joints Dog Bone Detents Front Carrier Support Rocker Shaft End Play
Escapement Timing
Cardholder Clearance
L.H. Ribbon Lift Guide Position
Free-Power Flight
Is Problem Unique To Manifold Applications?
If Less Than Three Copies, Check Application Notes
Change To Recent Date Coded Ribbon
If Three Or More, Suggest Tech III & Cover-Up Tape
Notify Management Service & Sales
Edge Definition Decreases As Number Of Copies Increases
INCOMPLETE LIFT-OFF
Gray Shadow
Or
Trace Of Character
Free-Power Flight
Replace Ribbon (Bad Ink)
Front Carrier Support
Platen Latch Bite
Fine Alignment
Rotate Detent Guide
Rocker Pivot Shaft
Cycle Clutch Adjustments
Tilt And Rotate Homing
Escapement Timing
Make All Adjustments According To APM

DANGER: 115 VAC may be present.

LINECORD VOLTAGE CHECK

1. Make sure the linecord is properly connected.
2. Connect the VOM to the ON/OFF switch.
3. If 115 VAC is not present, check the following:
   a. Proper voltage at the power outlet
   b. Linecord

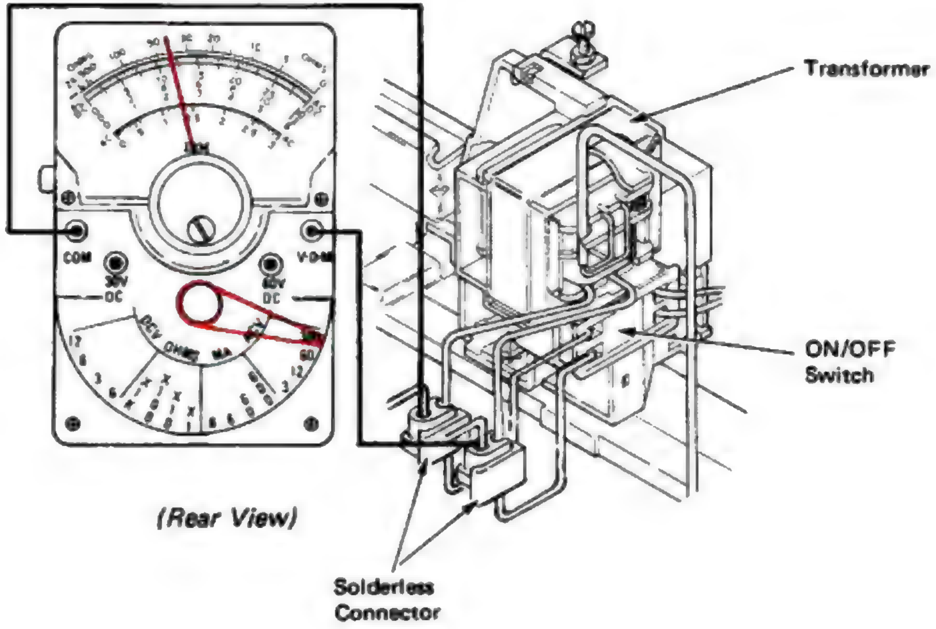


(Rear View)

DANGER: 115 VAC may be present.

SWITCH VOLTAGE CHECK

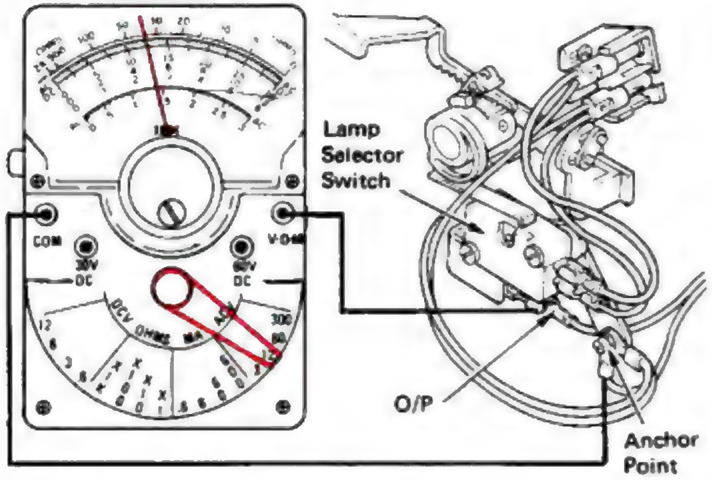
1. Connect the VOM to the solderless connector at the points shown.
2. If 115 VAC is not present, check the following:
   a. ON/OFF switch
   b. Solderless connector



(Rear View)

TRANSFORMER VOLTAGE CHECK

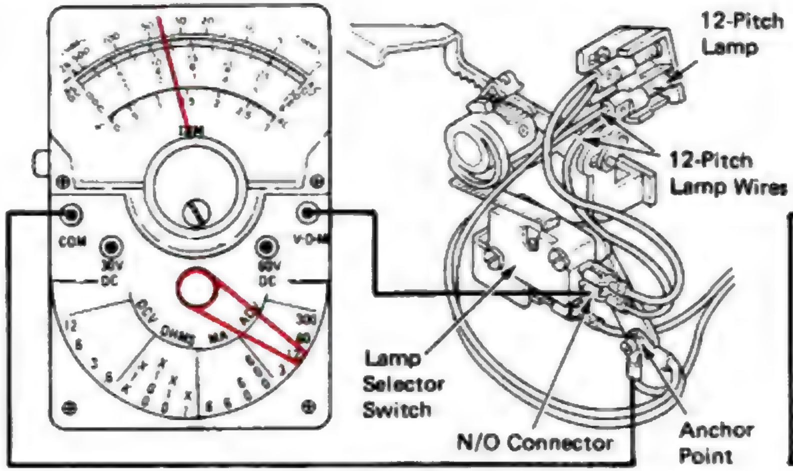
1. Connect a VOM to the anchor point and the O/P of the lamp selector switch.
2. If 2.3 to 3.0 VAC is not present, check the following:
    a. Solderless connector
    b. Transformer



(Left Side View)

12 PITCH VOLTAGE CHECK

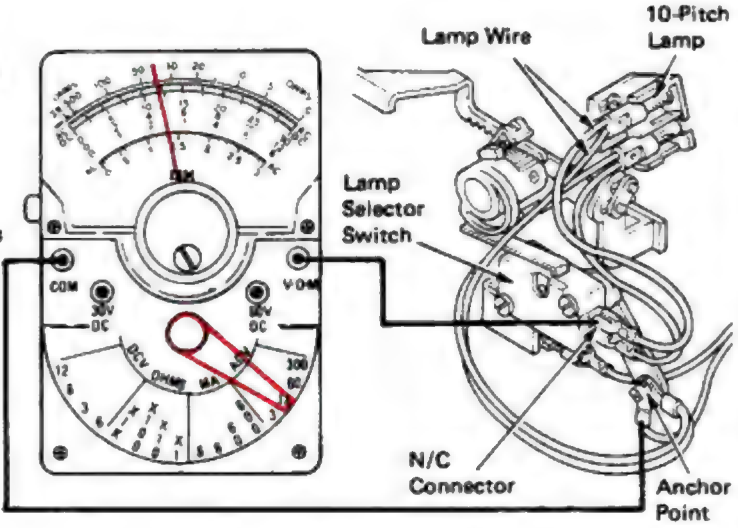
1. Connect a VOM to the anchor point and to the N/O connector.
2. If 2.3 to 3.0 VAC is not present, check the following:
    a. Lamp selector switch
    b. 12-pitch lamp
    c. 12-pitch lamp wires



(Left Side View)

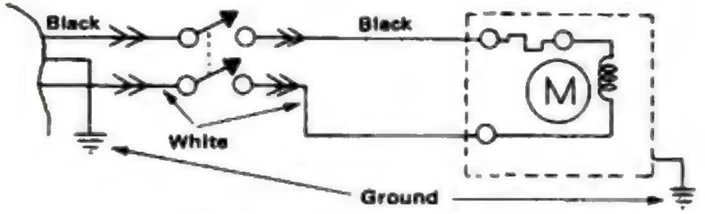
10 PITCH VOLTAGE CHECK

1. Connect a VOM to the anchor point and to the N/C connector.
2. If 2.3 to 3.0 VAC is not present, check the following:
    a. Lamp selector switch
    b. 10-pitch lamp wires
    c. 10-pitch lamp

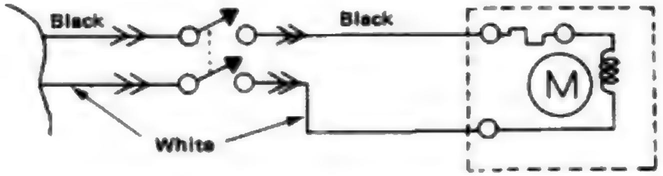


(Left Side View)

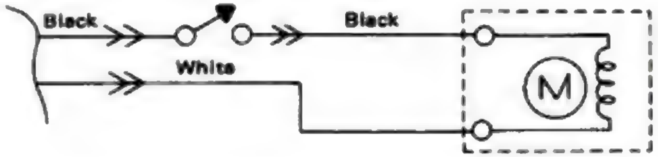
MOTOR WIRING DIAGRAMS



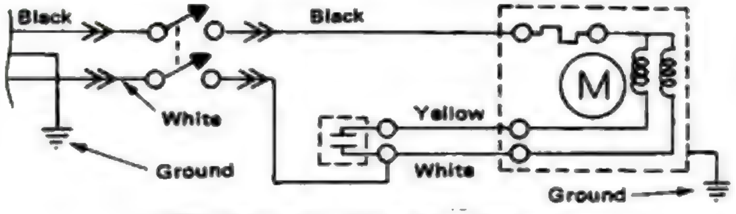
3-Wire Shaded Pole Motor Diagram



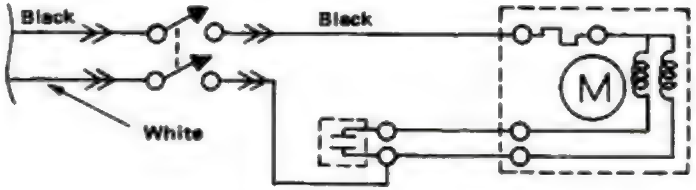
Double-Insulated Shaded Pole Motor Diagram



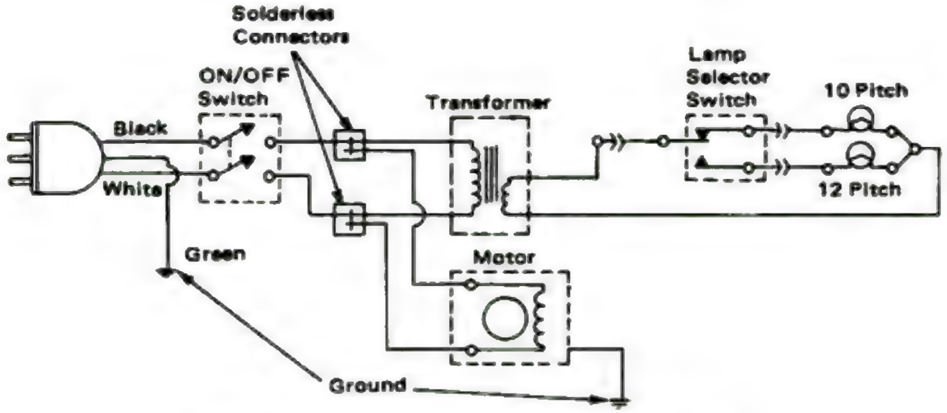
2-Wire Double-Insulated Shaded Pole Motor Diagram
(Single Pole Switch)



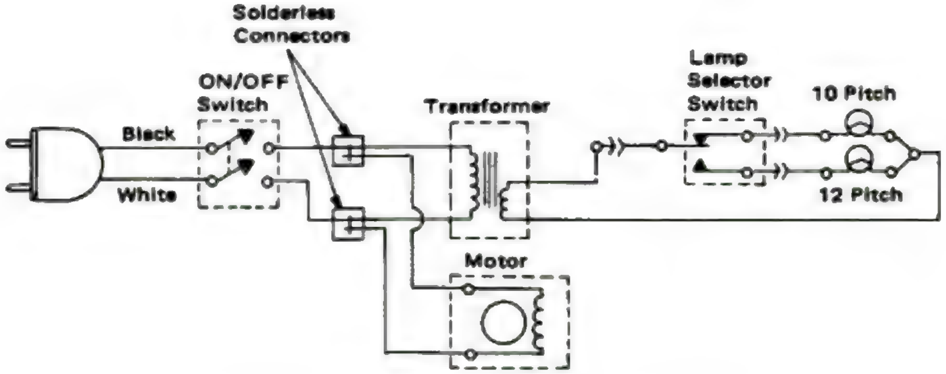
3-Wire Capacitor – Start Motor Diagram



Double-Insulated Capacitor – Start Motor Diagram



Dual-Pitch 3-Wire Double Insulated Shaded Pole Motor
"Selectric" III

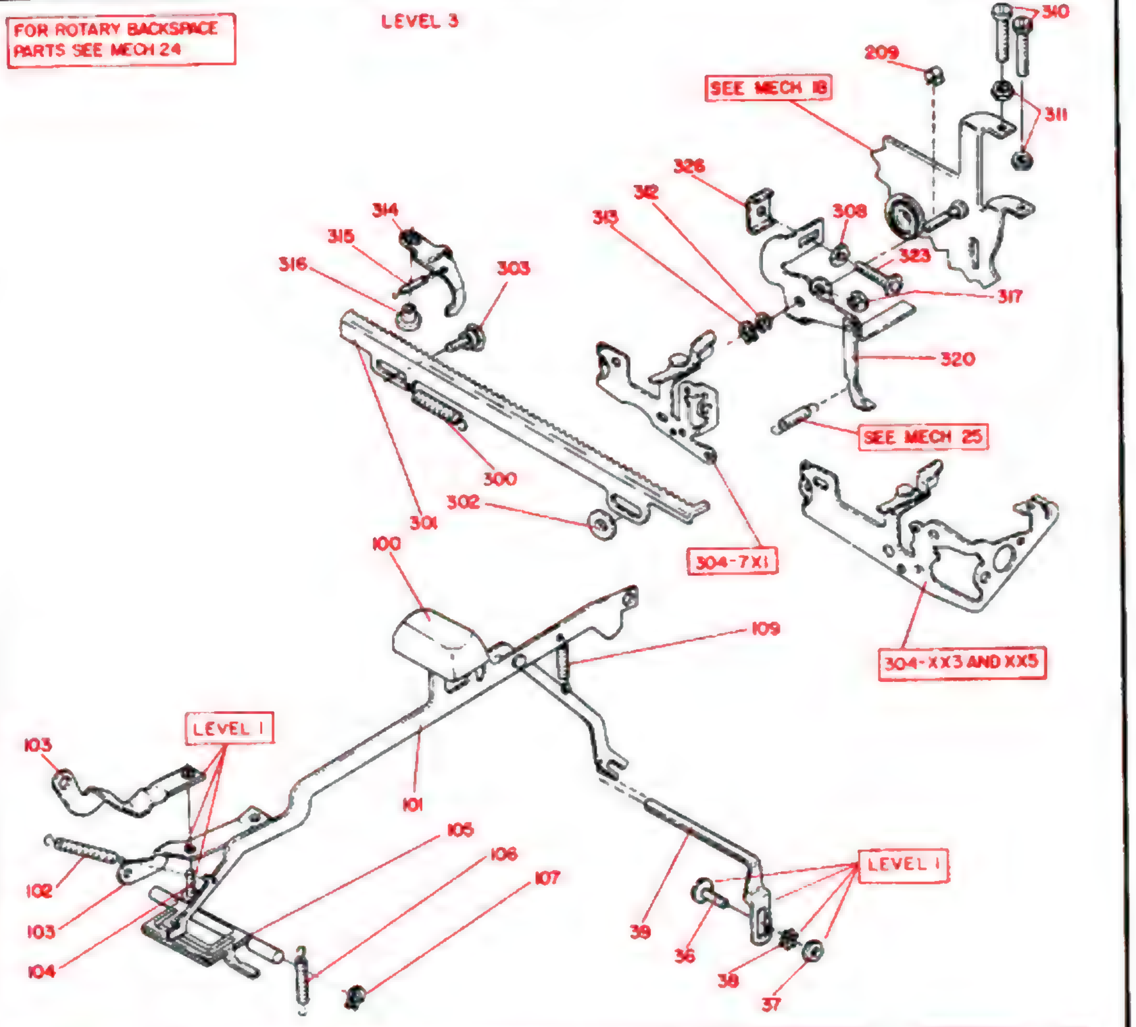


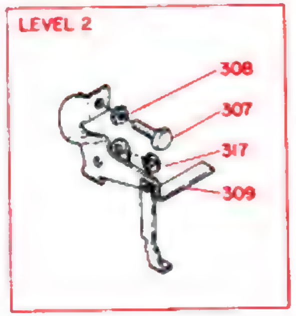
Dual-Pitch 2-Wire Double Insulated Shaded Pole Motor
"Selectric" III

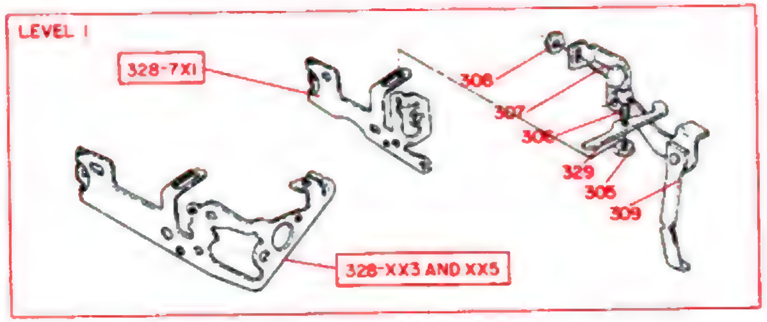
BACKSPACE
(NR B/S)

MECH. CODE 01

FOR ROTARY BACKSPACE PARTS SEE MECH 24





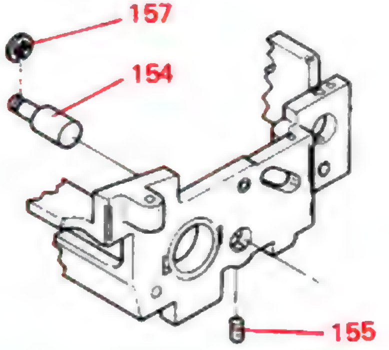


CARRIER

MECH. CODE 02

Predual Impression Machines

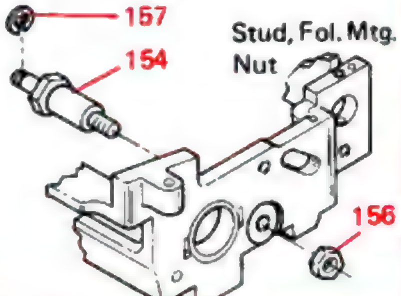
This stud, P/N 1124176, is used as a replacement part on all machines not equipped with dual impression which have the original "non-faced" carriers.



Predual Impression Machines With New Carrier

This stud P/N 1164865 and nut, P/N 6503, must be used with a carrier change on all machines not equipped with dual impression. This is necessary because all field replacement carriers are "faced" and do not have a setscrew hole for mounting the original stud.

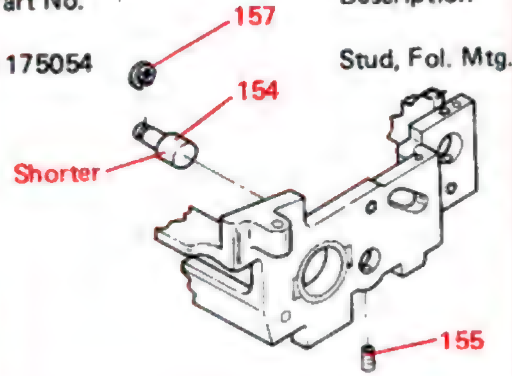
Part No.	Description
1164865	Stud, Fol. Mtg.
6503	Nut



Early Dual Impression Machines

This stud, P/N 1175054, must be used on the early dual impression machines. The follower, P/N 1141619, must also be replaced to ensure compatibility. This procedure is necessary because the early DI carriers were "non-faced." Note: Use washer, P/N 1164290, to reduce side play.

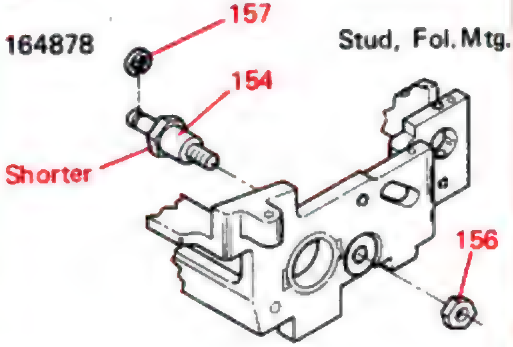
Part No.	Description
1175054	Stud, Fol. Mtg.



Current Level Machines

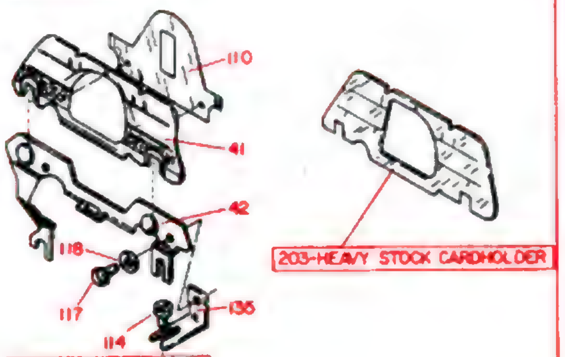
This stud, P/N 1164878 and nut, P/N 6503, can be used on all dual impression carriers that are "faced." It must be used with the new print cam follower, P/N 1141619.

Part No.	Description
1164878	Stud, Fol. Mtg.



CARDHOLDER CHARTS

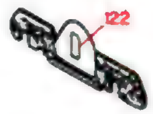
MECH 26 CORRECTING



203-HEAVY STOCK CARDHOLDER

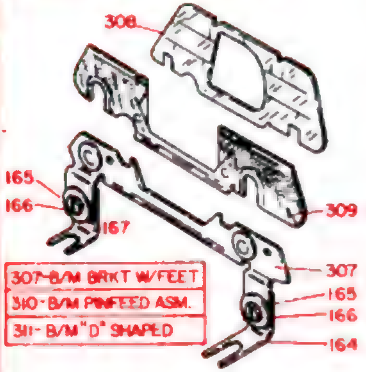
111-PRINT SHIELD B/M

MECH 49 PIN FEED
9XX-THAI-W.T.



MECH 22 PAPER FEED

UNIVERSAL BRACKET (SNAP-IN)

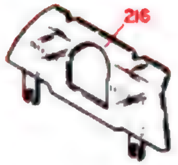


307-B/M BRKT W/FEET

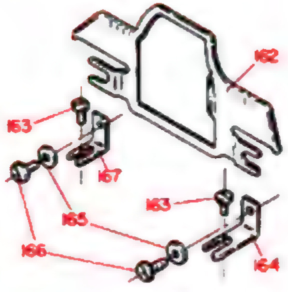
310-B/M PINFEED ASM.

311- B/M "D" SHAPED

UNIVERSAL CARDHOLDER (BOLT ON)

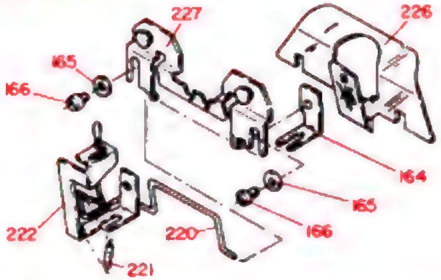


PIN FEED CARDHOLDER

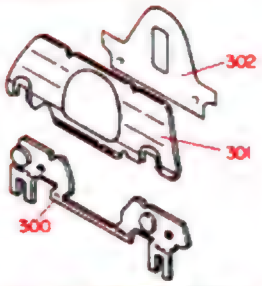


313-B/M COMPLETE

225-PRINT SHIELD



8/9XX W.T



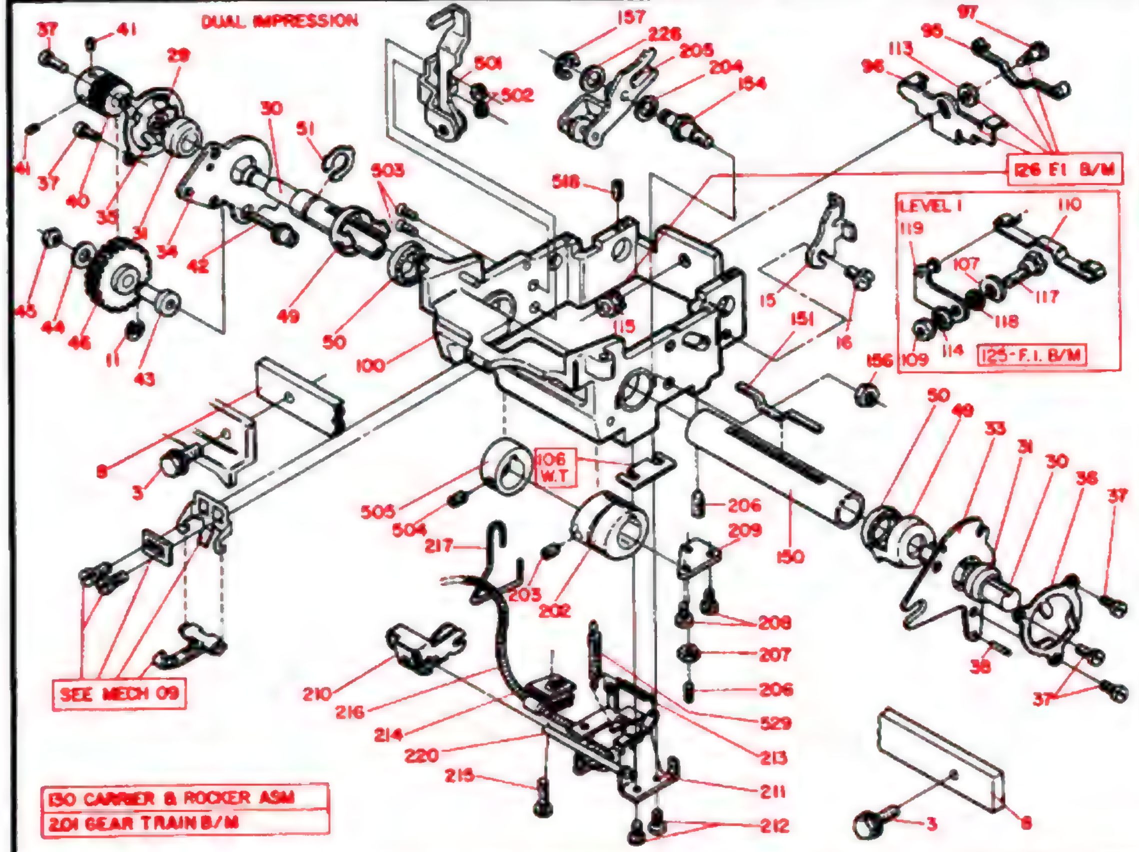
303-ASM. FOLDER PRINT SHIELD

304-PACK WITH CARD HOLDER ASSEMBLIES

MECH. CODE
02

CARRIER

DUAL IMPRESSION

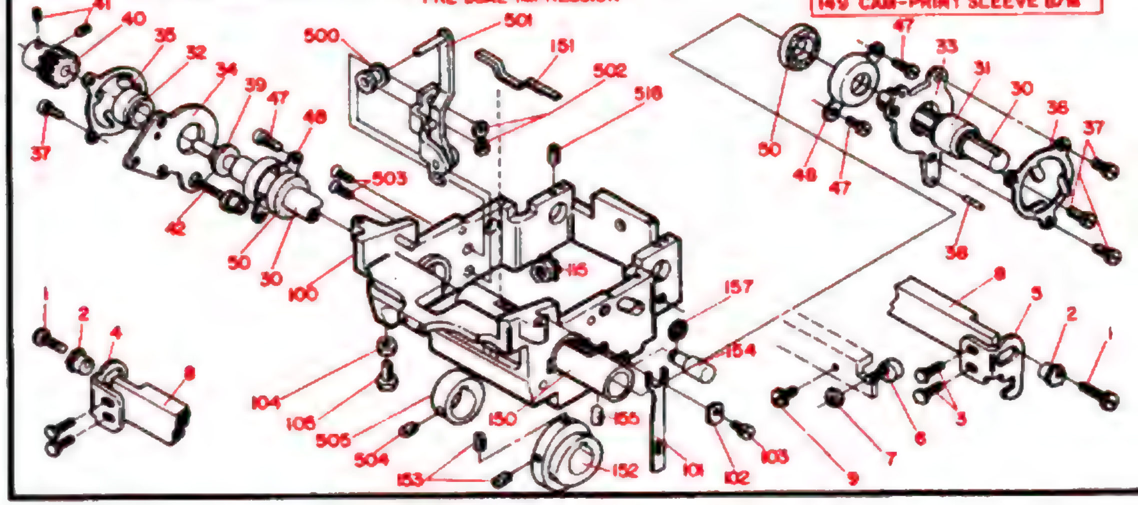


130 CARRIER & ROCKER ASM

201 GEAR TRAIN B/M

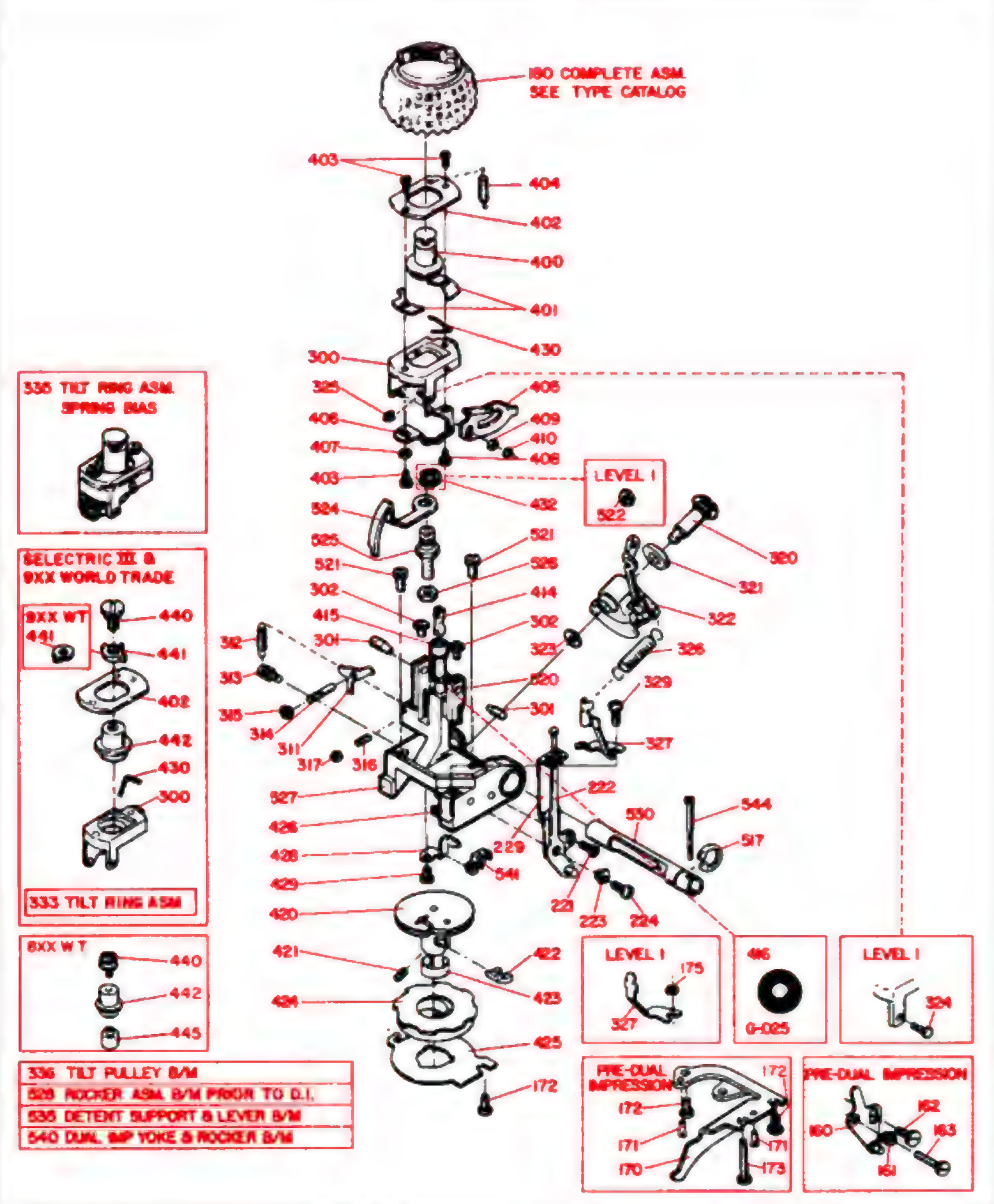
PRE DUAL IMPRESSION

149 CAM-PRINT SLEEVE B/M



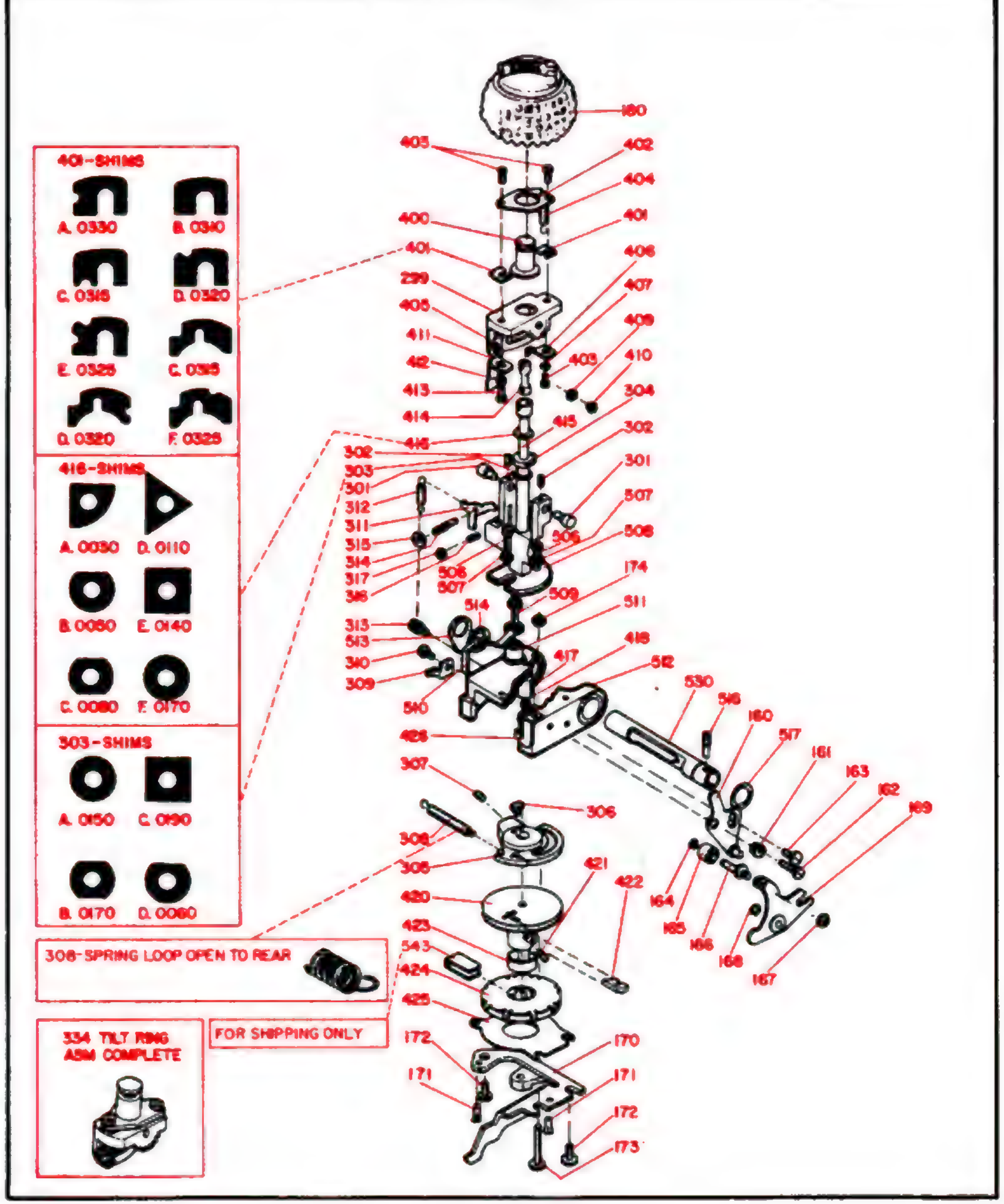
ROCKER
(GEARLESS TYPE TILT)

MECH. CODE
02



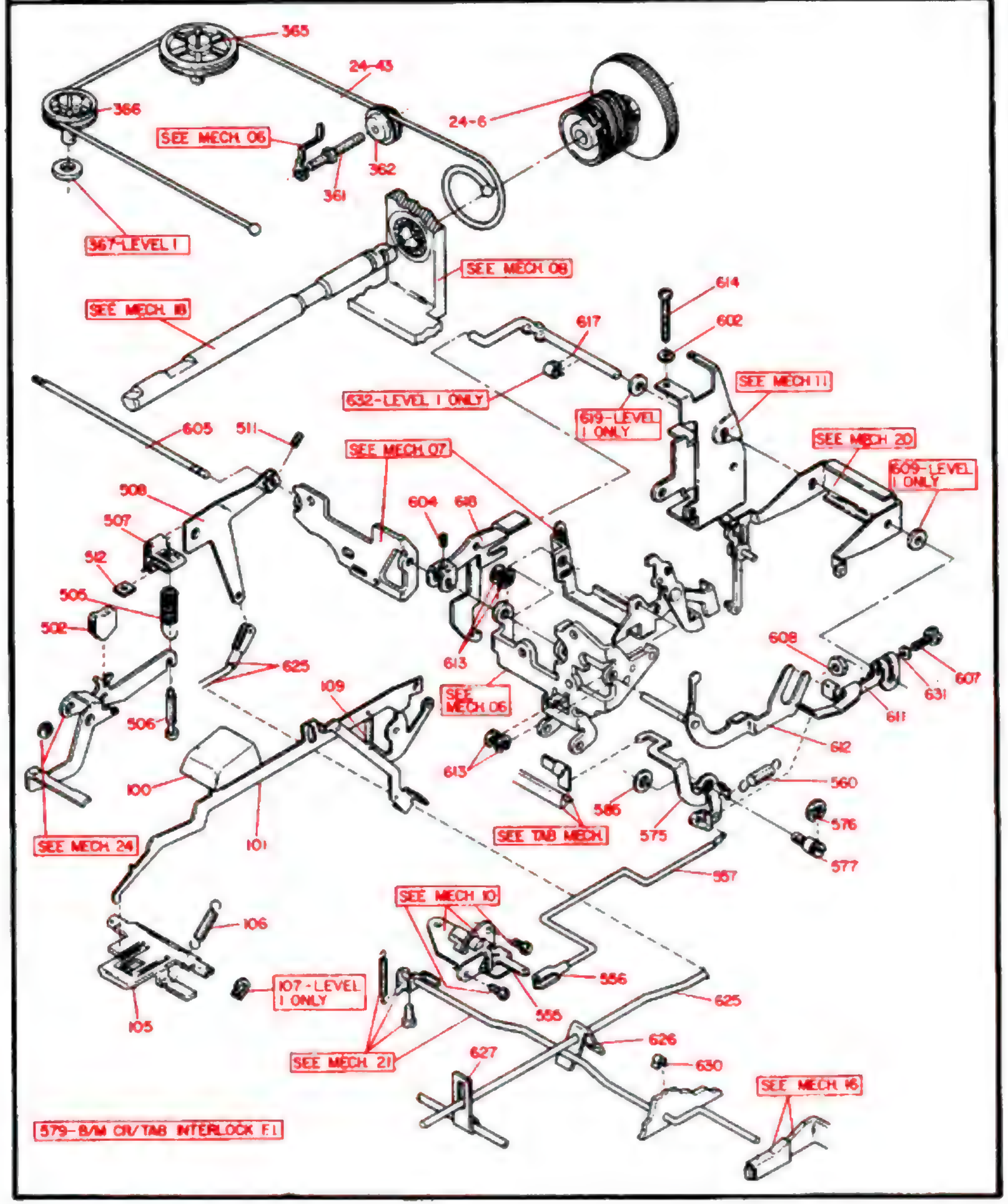
ROCKER
(GEAR TYPE TILT)

MECH. CODE
02



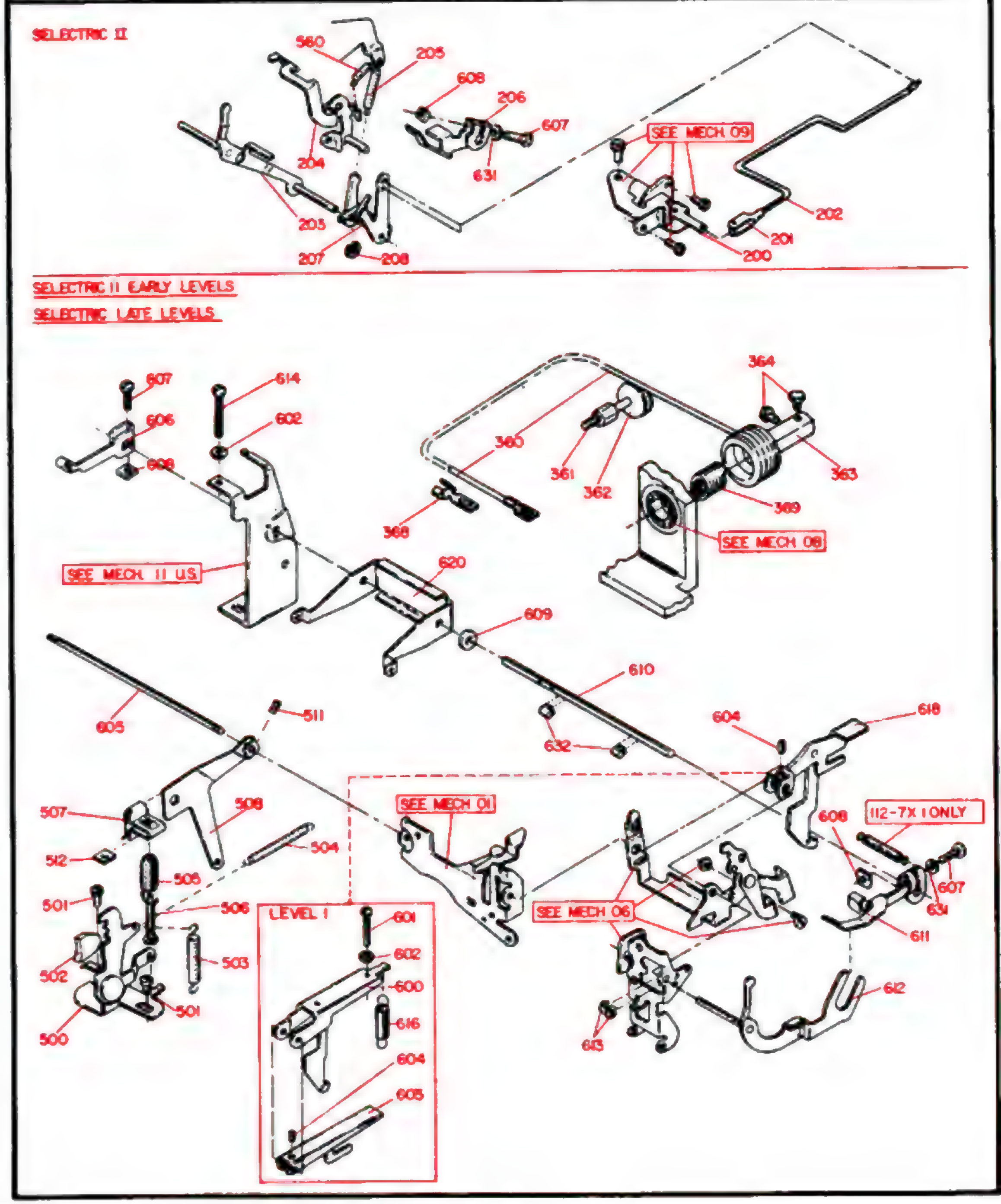
MECH. CODE
03

CARRIER RETURN
(R B/S)



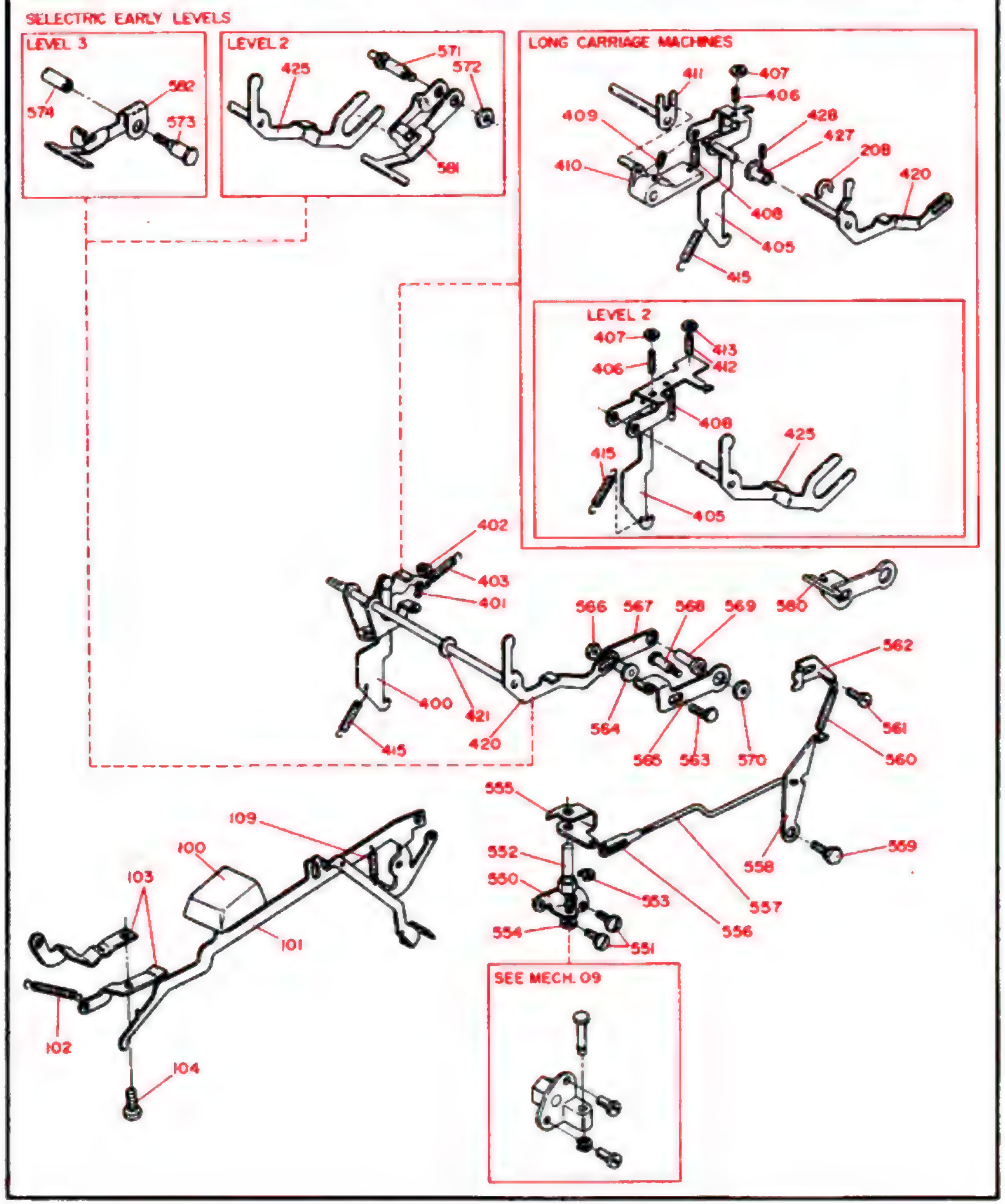
MECH. CODE
03

CARRIER RETURN
(NR B/S)



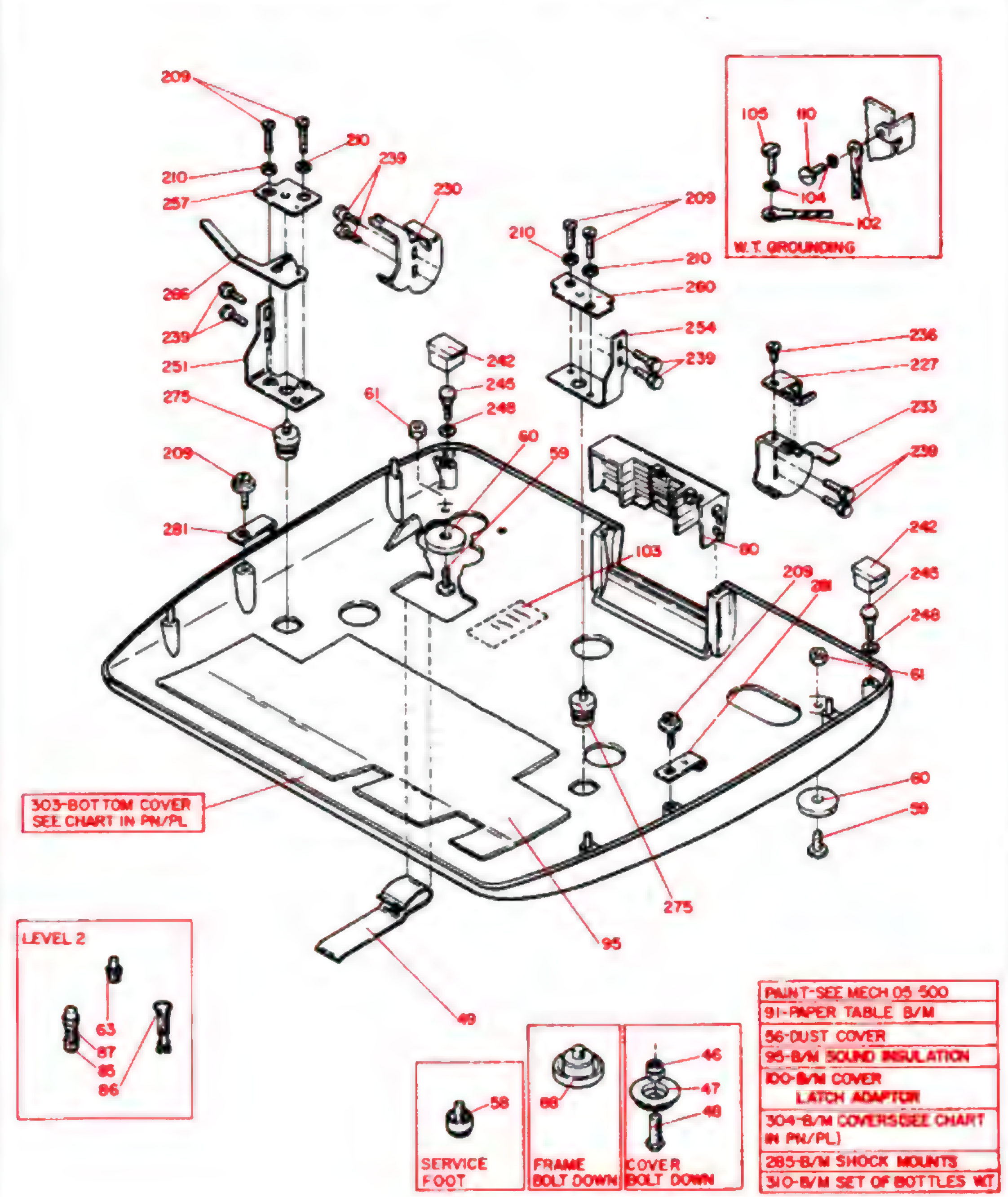
CARRIER RETURN
(NR B/S)

MECH. CODE
03



COVERS & MOUNTING (7XX)

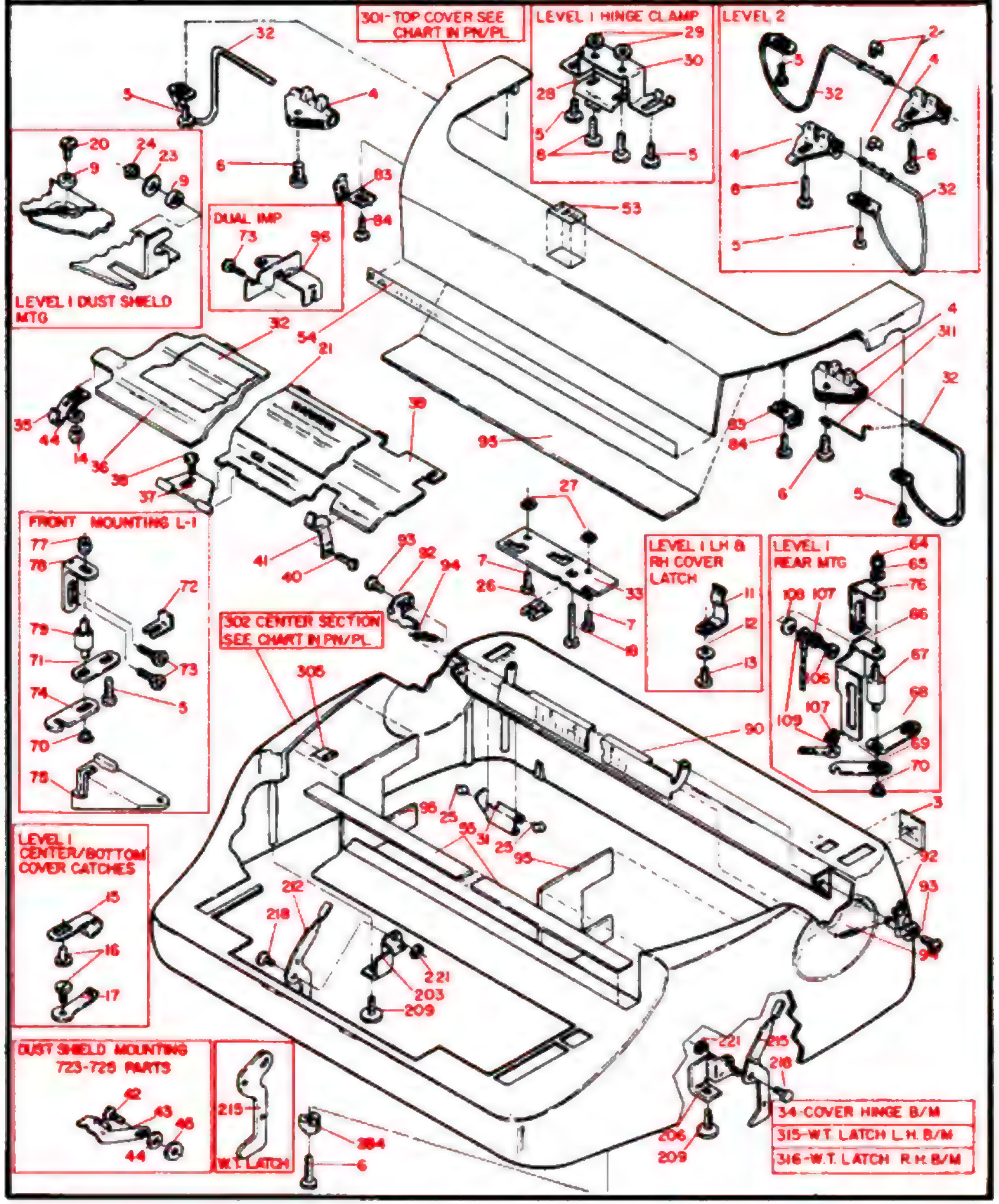
MECH. CODE
04



PAINT-SEE MECH 05 500
91-PAPER TABLE B/M
56-DUST COVER
95-B/M SOUND INSULATION
100-B/M COVER
LATCH ADAPTOR
304-B/M COVERS(SEE CHART IN PN/PL)
285-B/M SHOCK MOUNTS
310-B/M SET OF BOTTLES WT

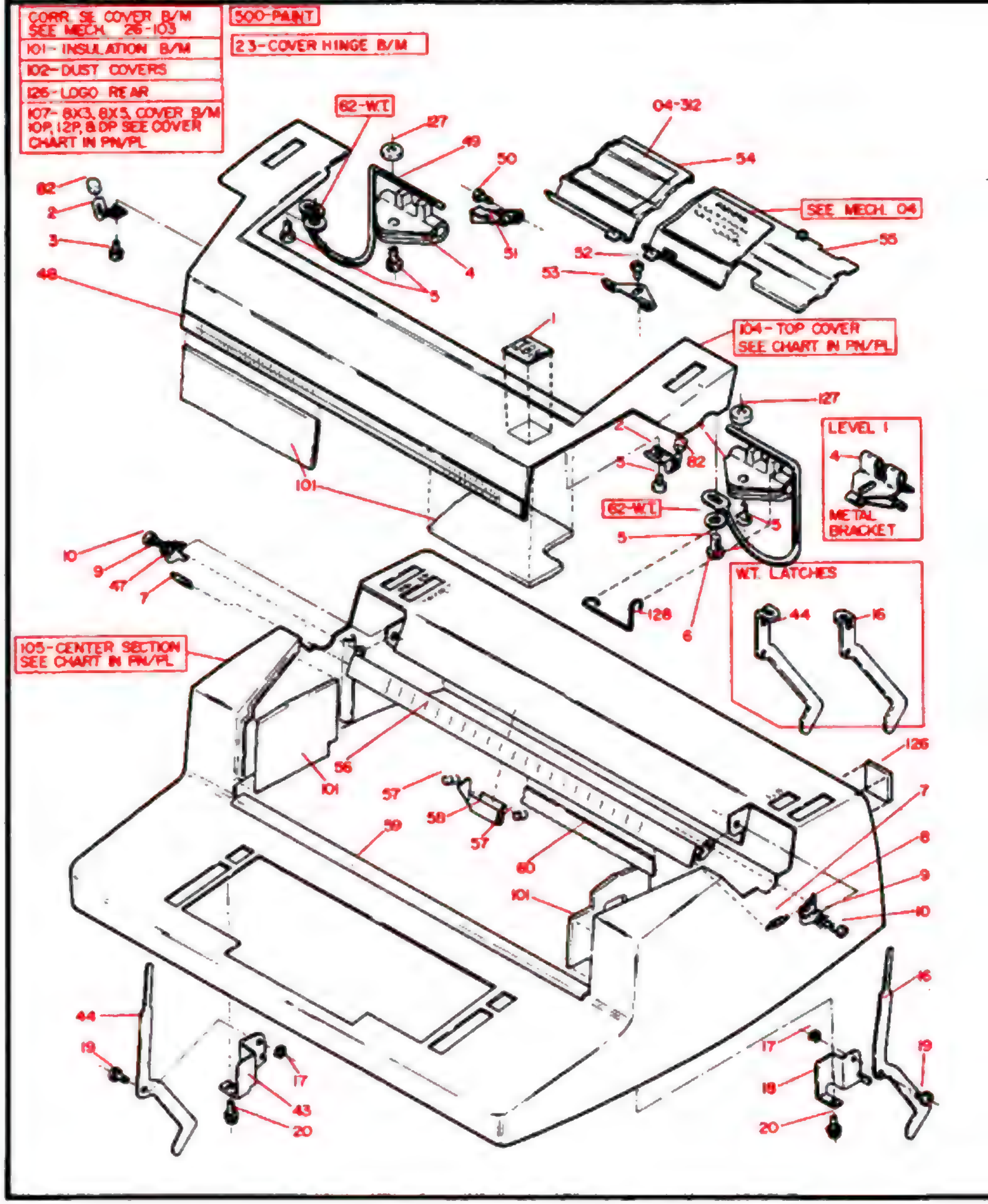
MECH. CODE 04

COVERS & MOUNTING (7XX)



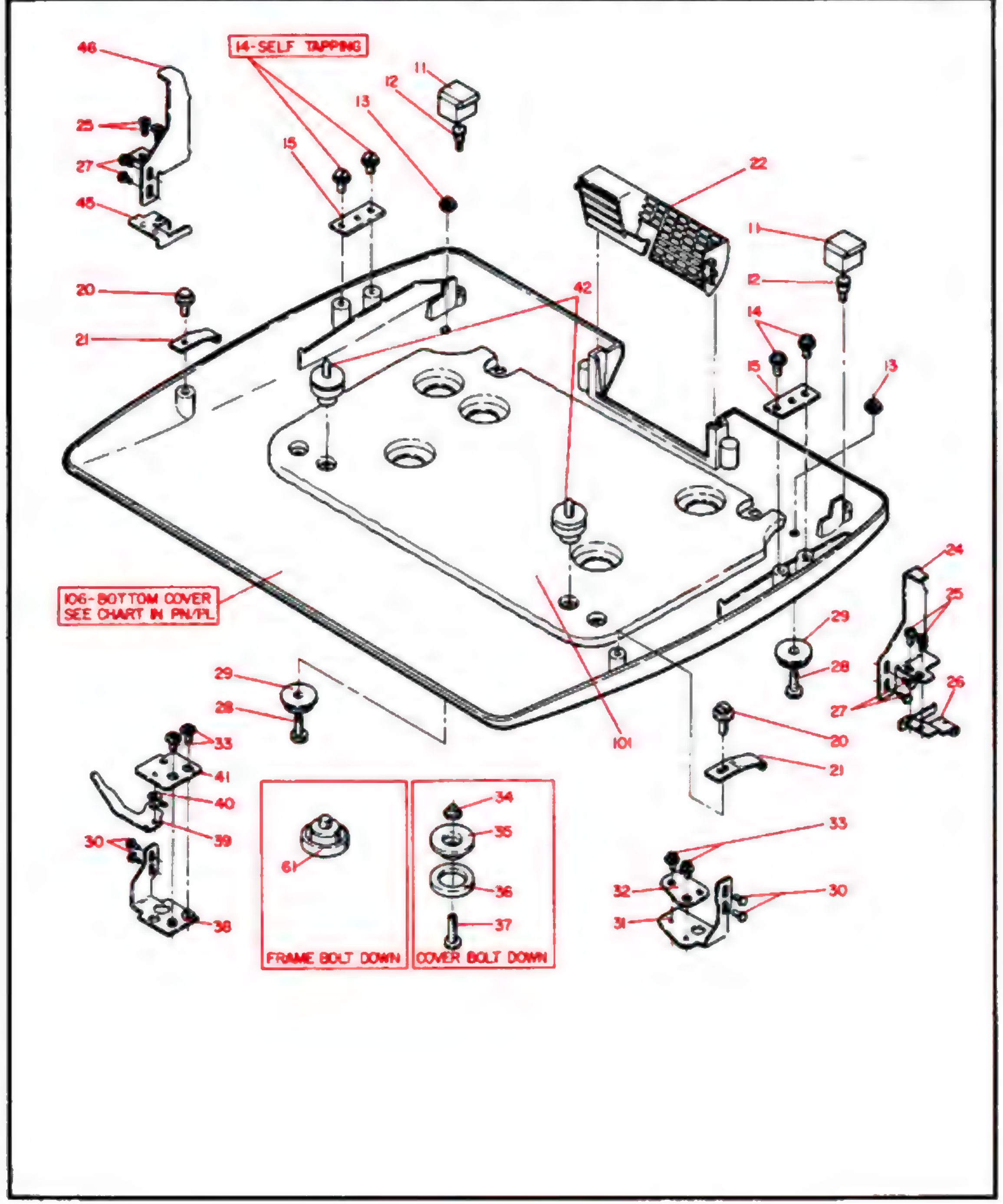
MECH. CODE 05

COVERS & MOUNTING (8XX) (9XX)



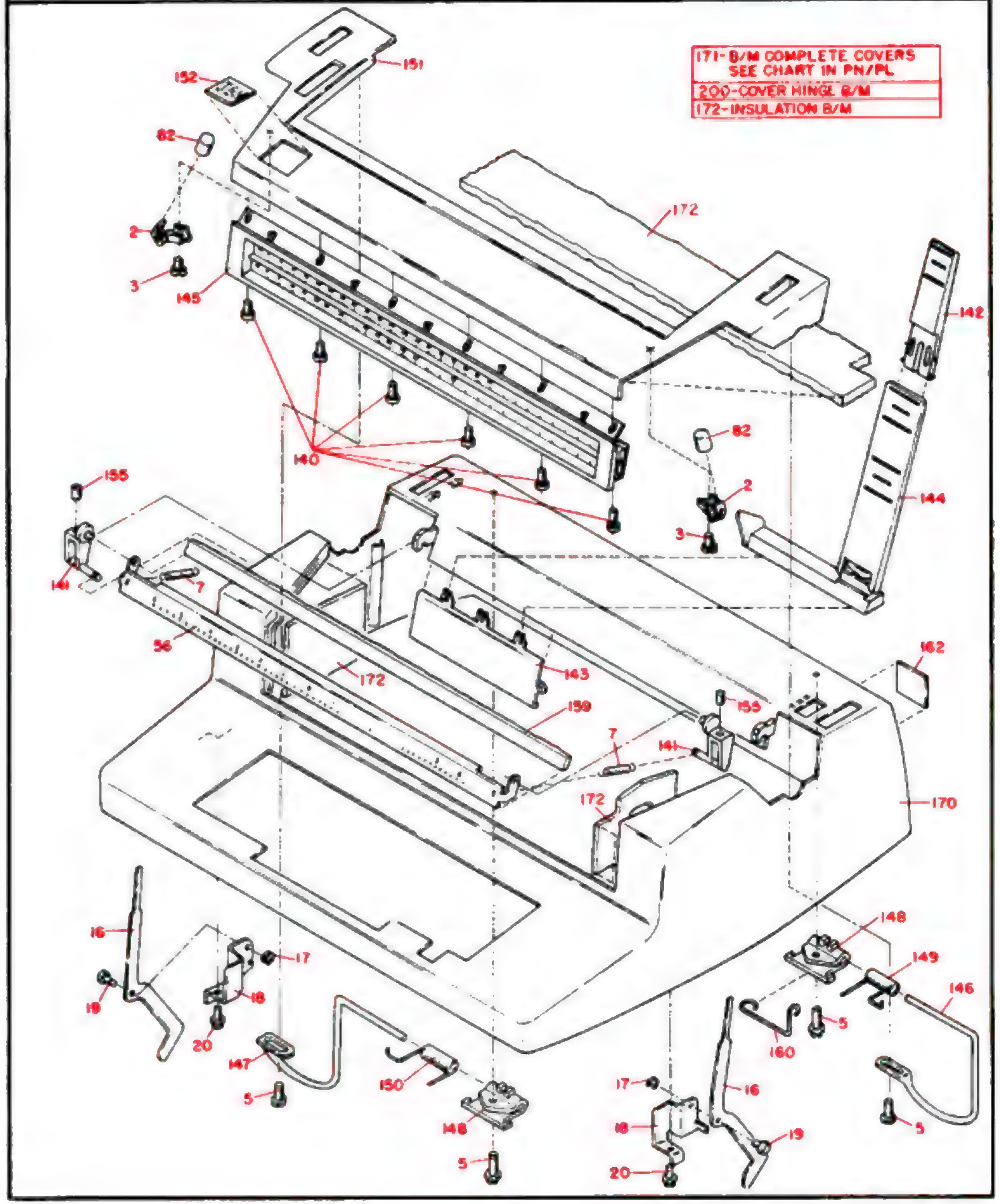
COVERS & MOUNTING (8XX) (9XX)

MECH. CODE
05



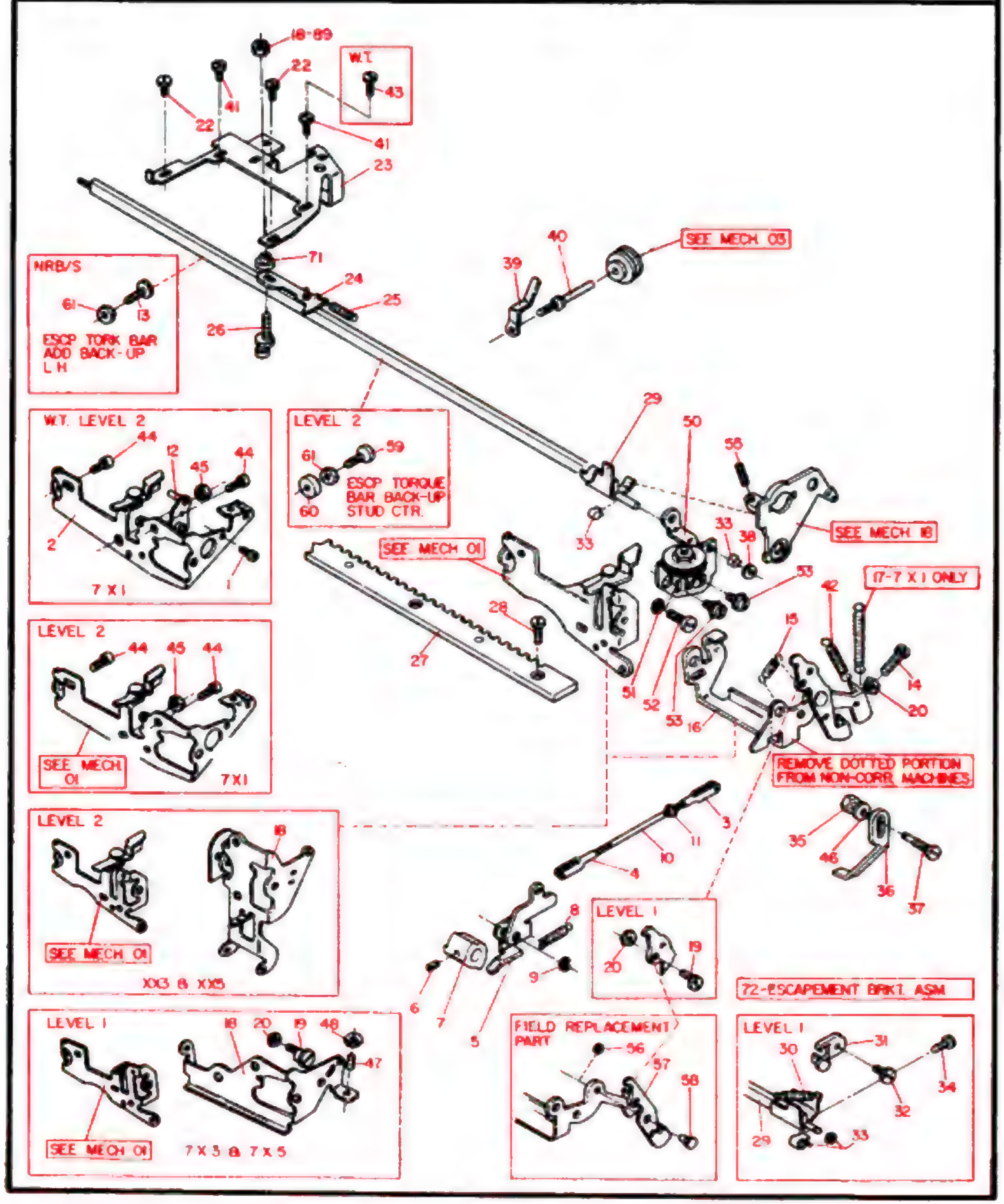
COVER (670X)

MECH. CODE
05



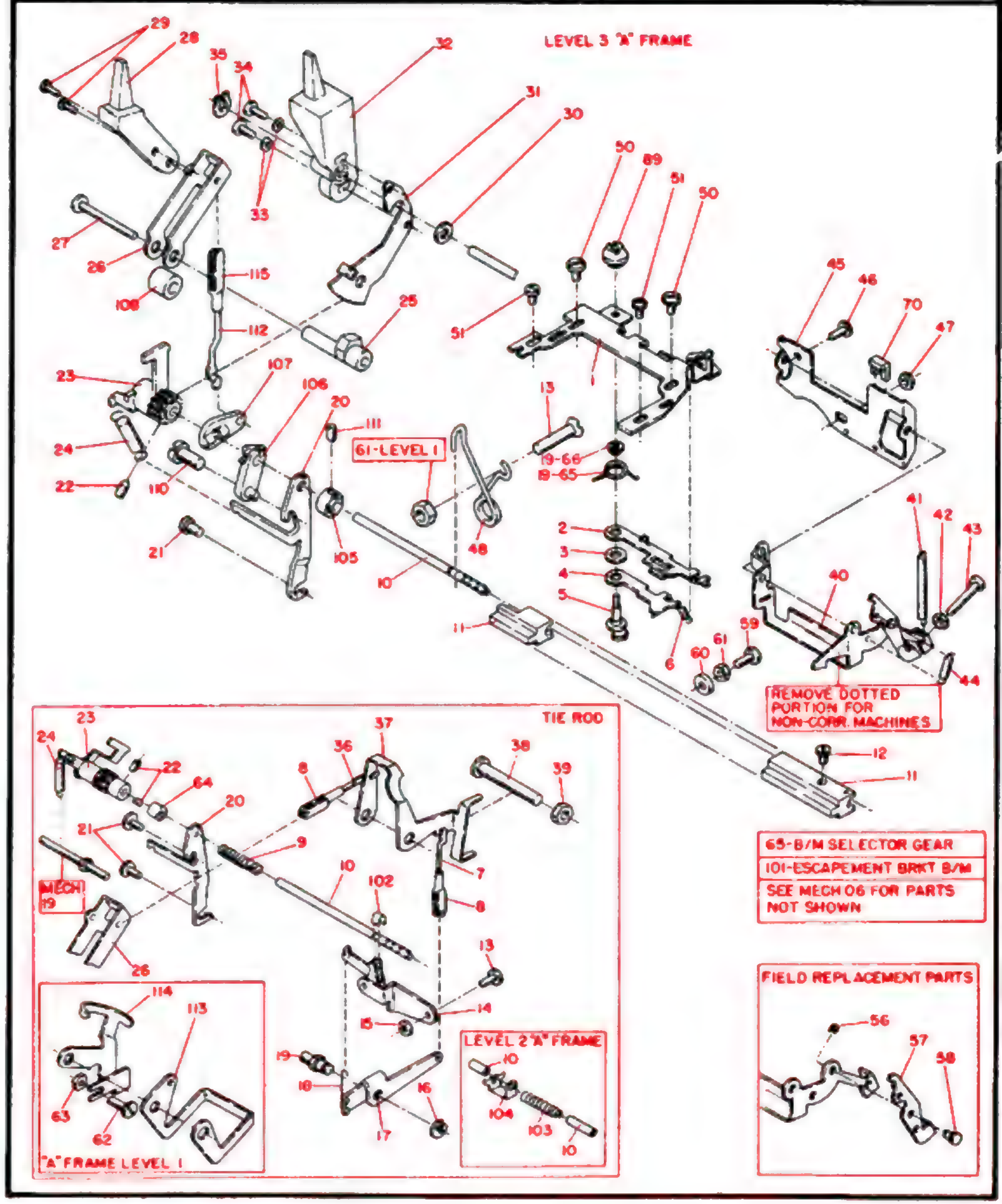
MECH. CODE
06

ESCAPEMENT
(NRB/S)



MECH. CODE
07

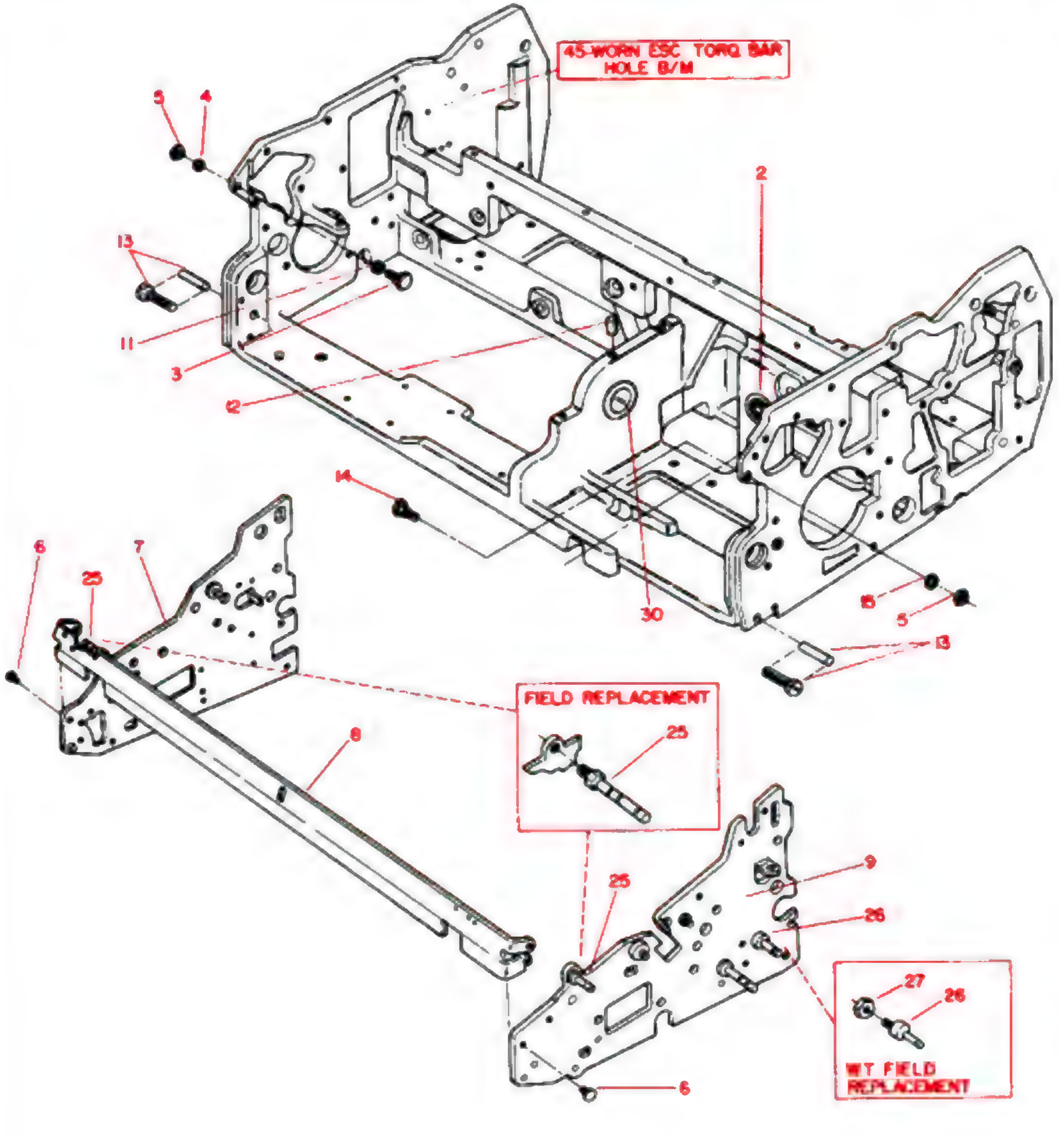
ESCAPEMENT HALF/BACKSPACE
(RB/S)



MECH. CODE

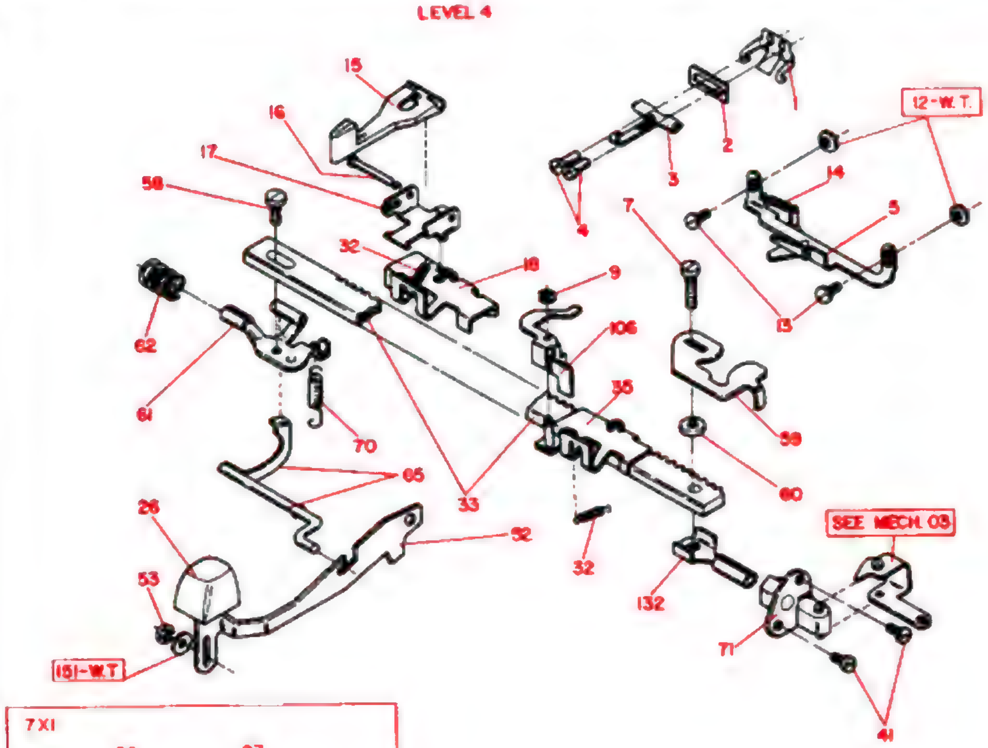
FRAMES

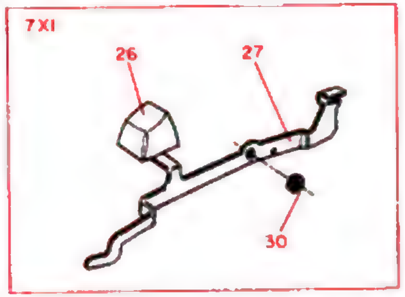
MECH. CODE
08

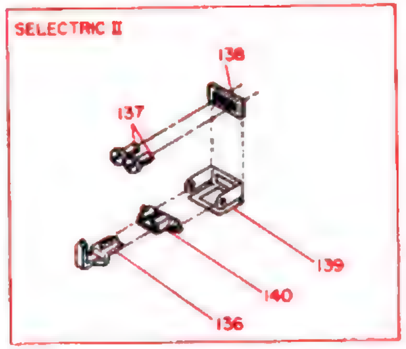


MECH. CODE
09

MARGINS
(NR B/S)







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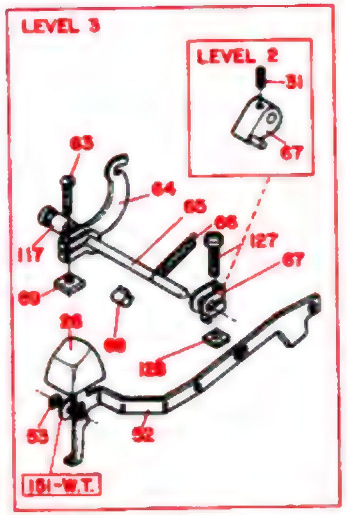
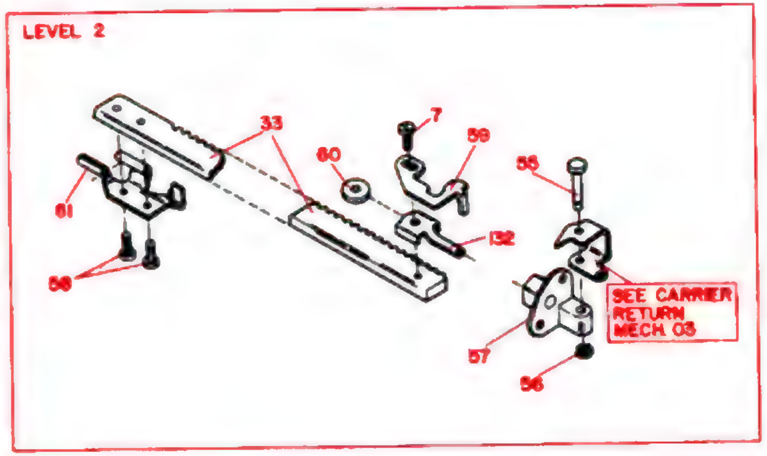
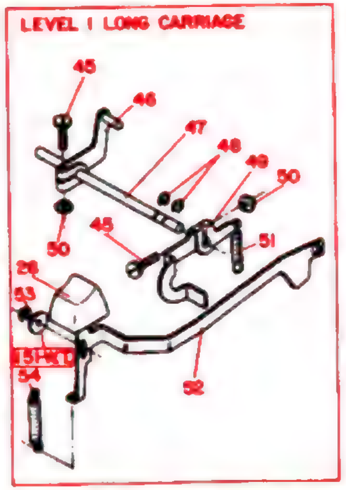
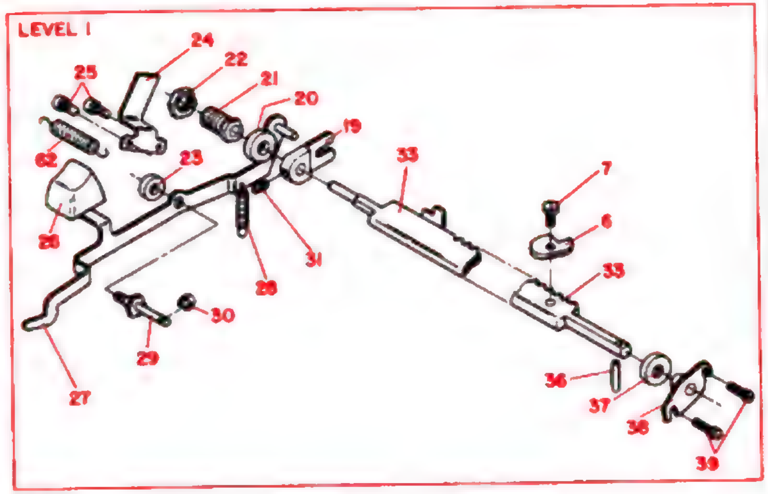
(NR B/S)









106 - B/M CARRIER POINTER 7XX

125 - MARGIN LEVER ASM.

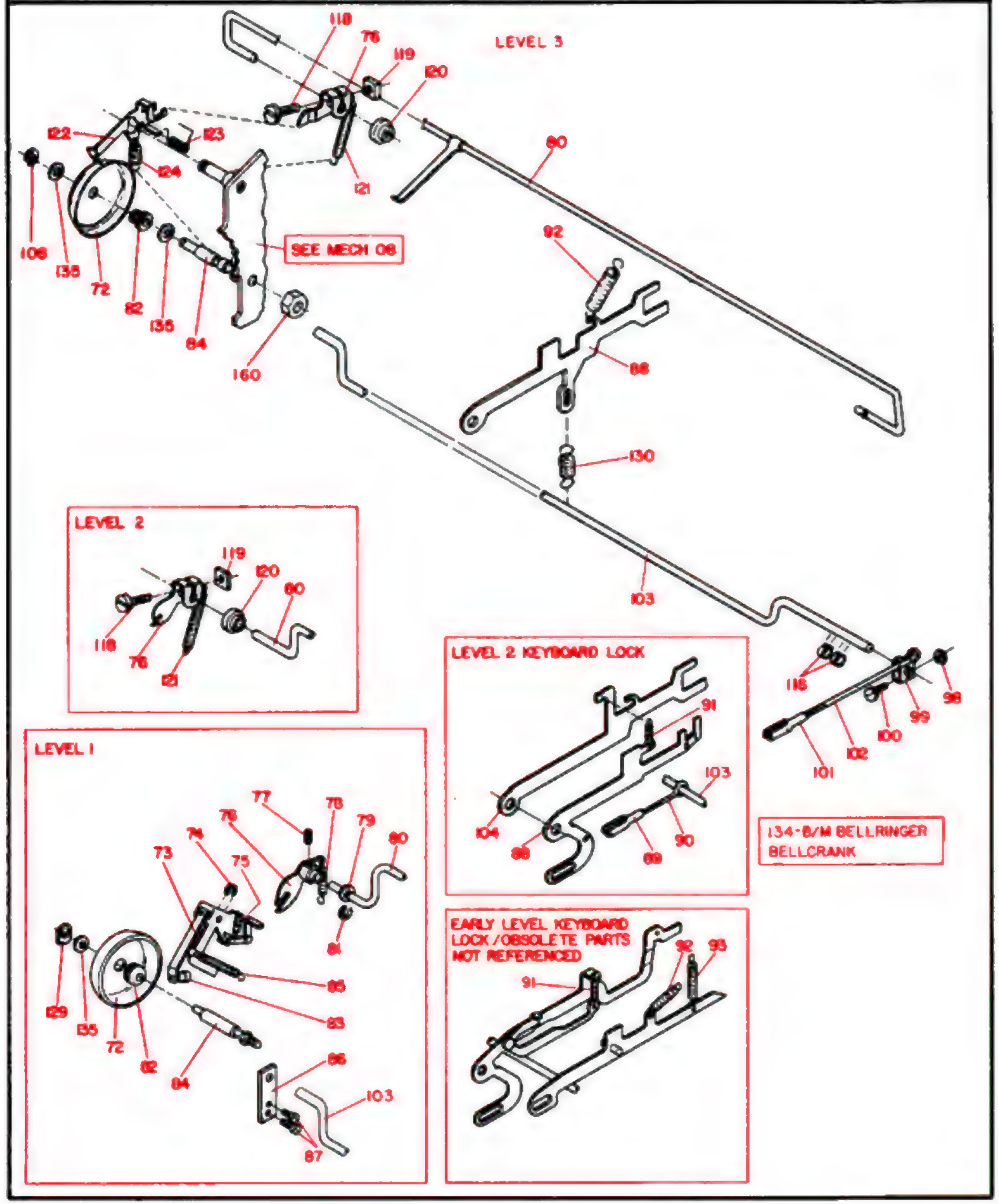
126 - B/M MARGIN RACK

133 - B/M MARGIN PIVOT

150 - MARGIN RACK ASM. INCL. REF. 125

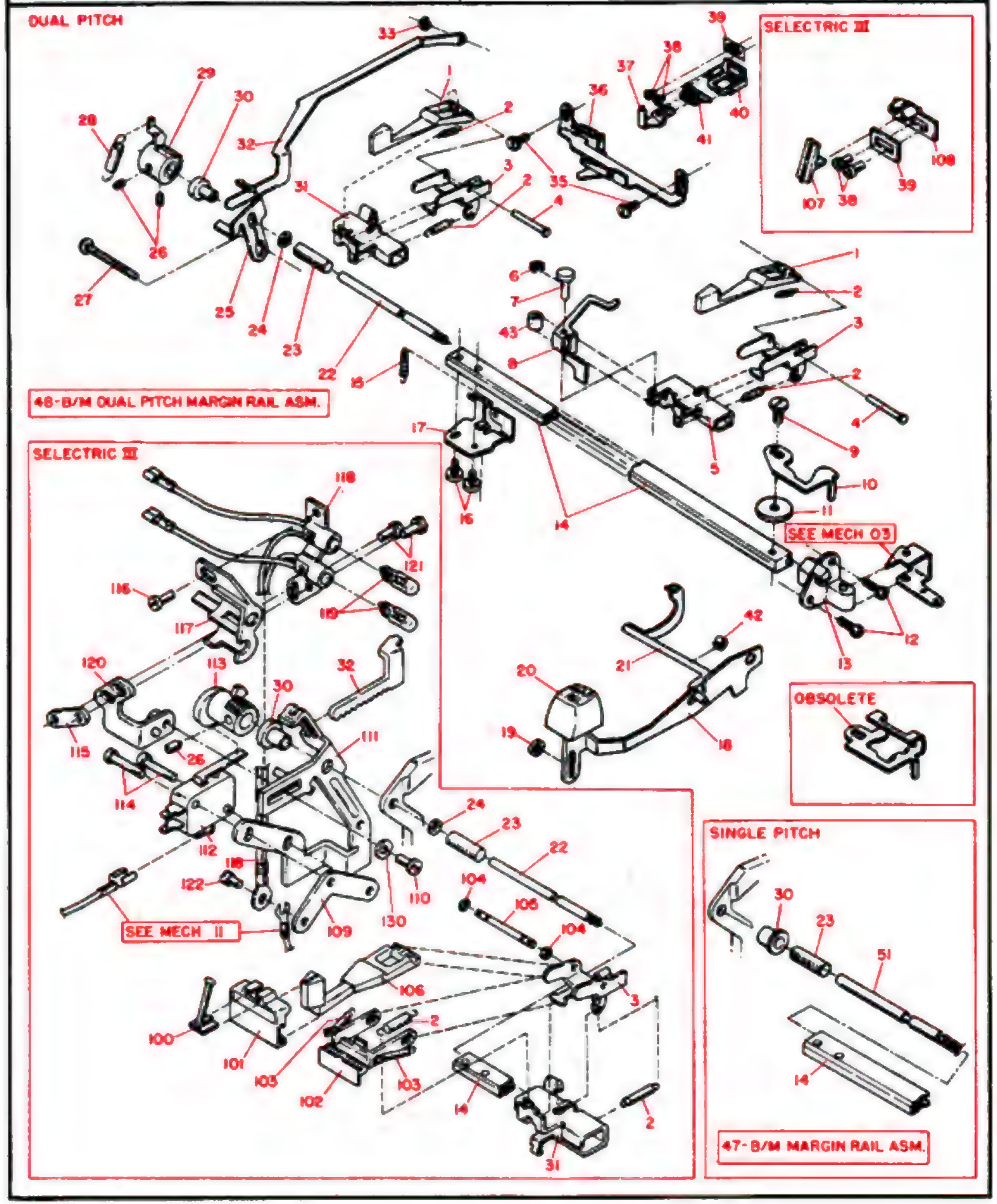
LINELOCK & BELL

MECH. CODE
09



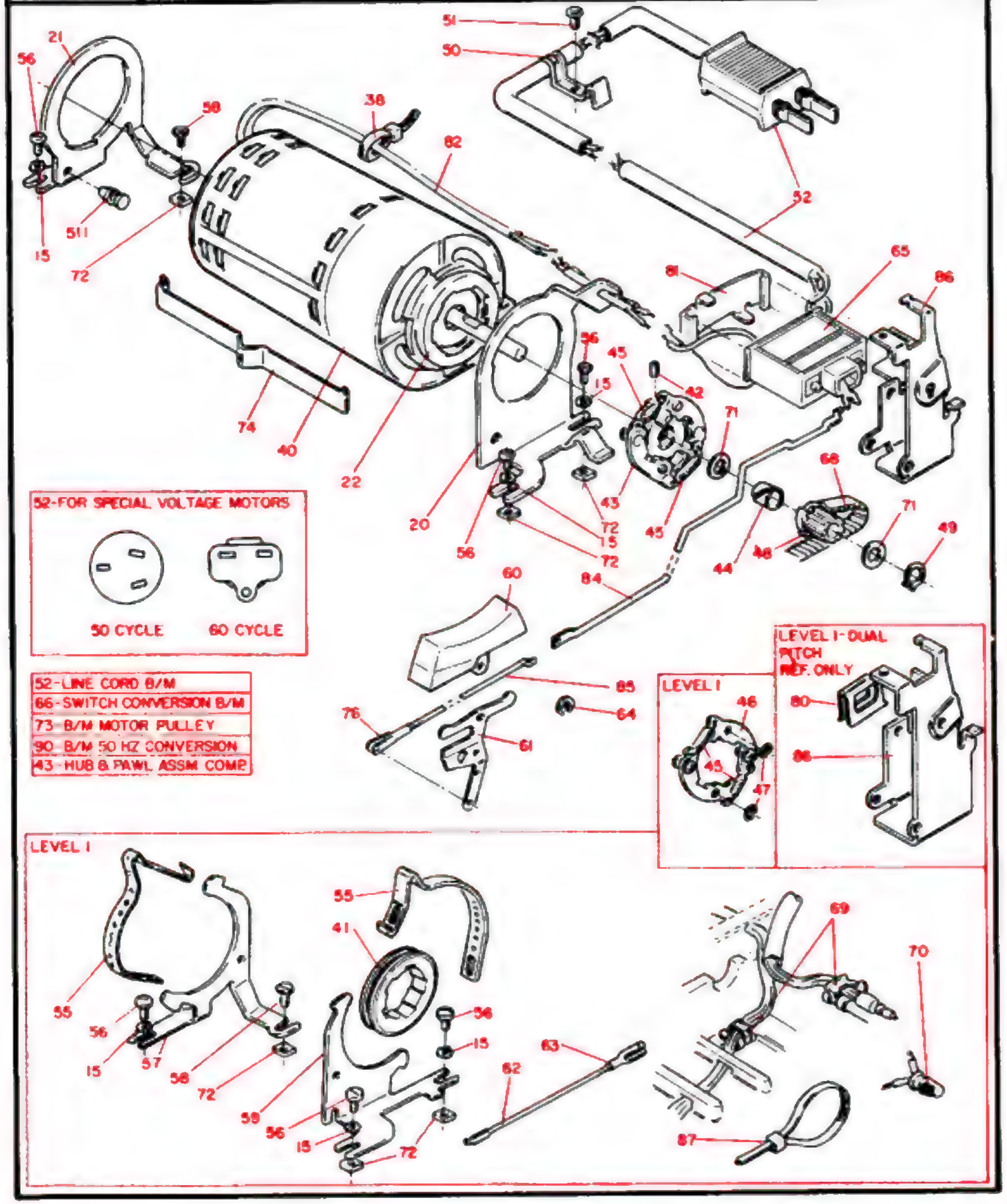
MARGINS
(RB/S)

MECH. CODE
10



MECH. CODE 11

U.S. MOTOR & DRIVE
(SHADED POLE)

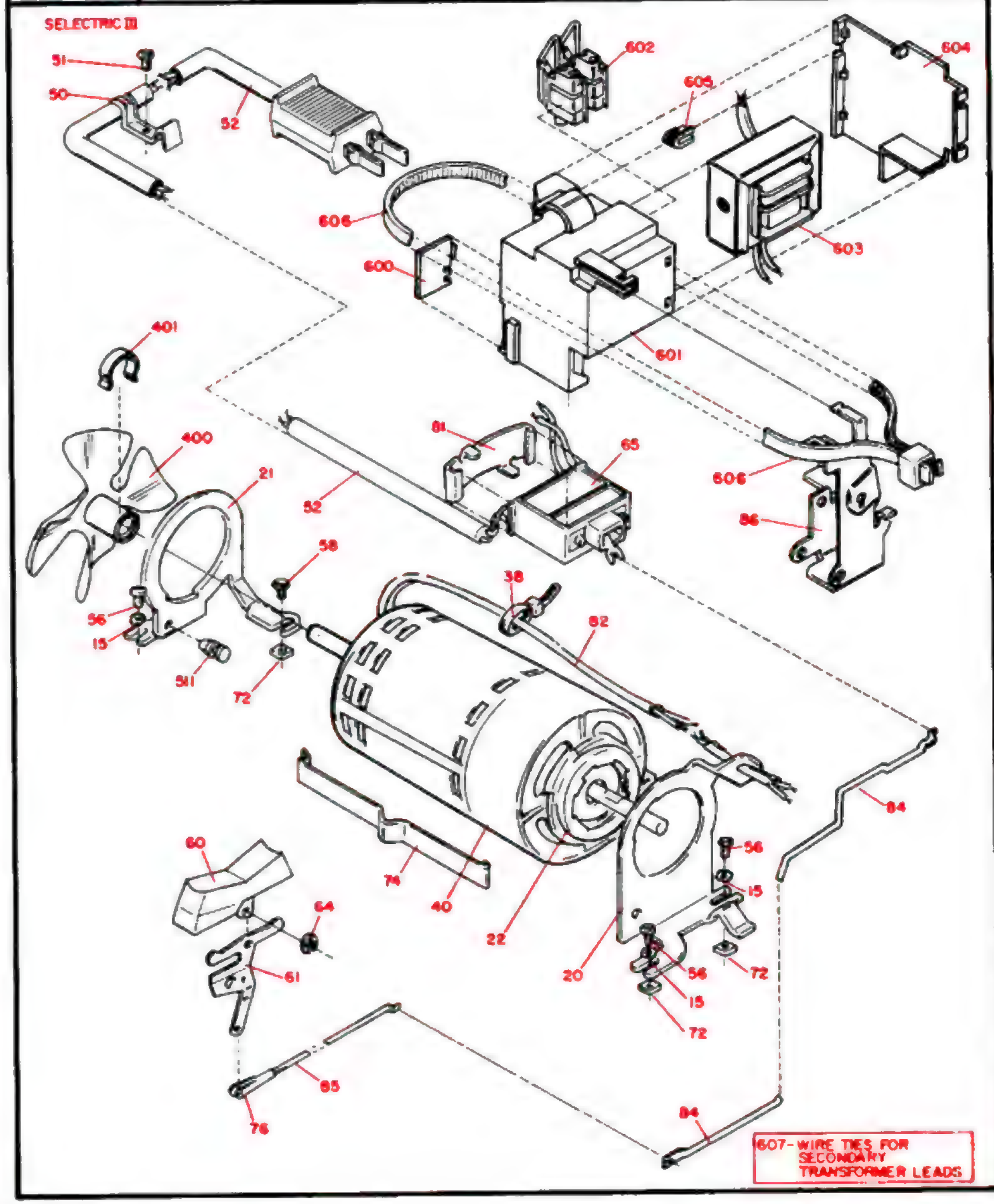


52-FOR SPECIAL VOLTAGE MOTORS

52-LINE CORD B/M
66-SWITCH CONVERSION B/M
73-B/M MOTOR PULLEY
90-B/M 50 HZ CONVERSION
43-HUB & PAWL ASSM COMP

MECH. CODE 11

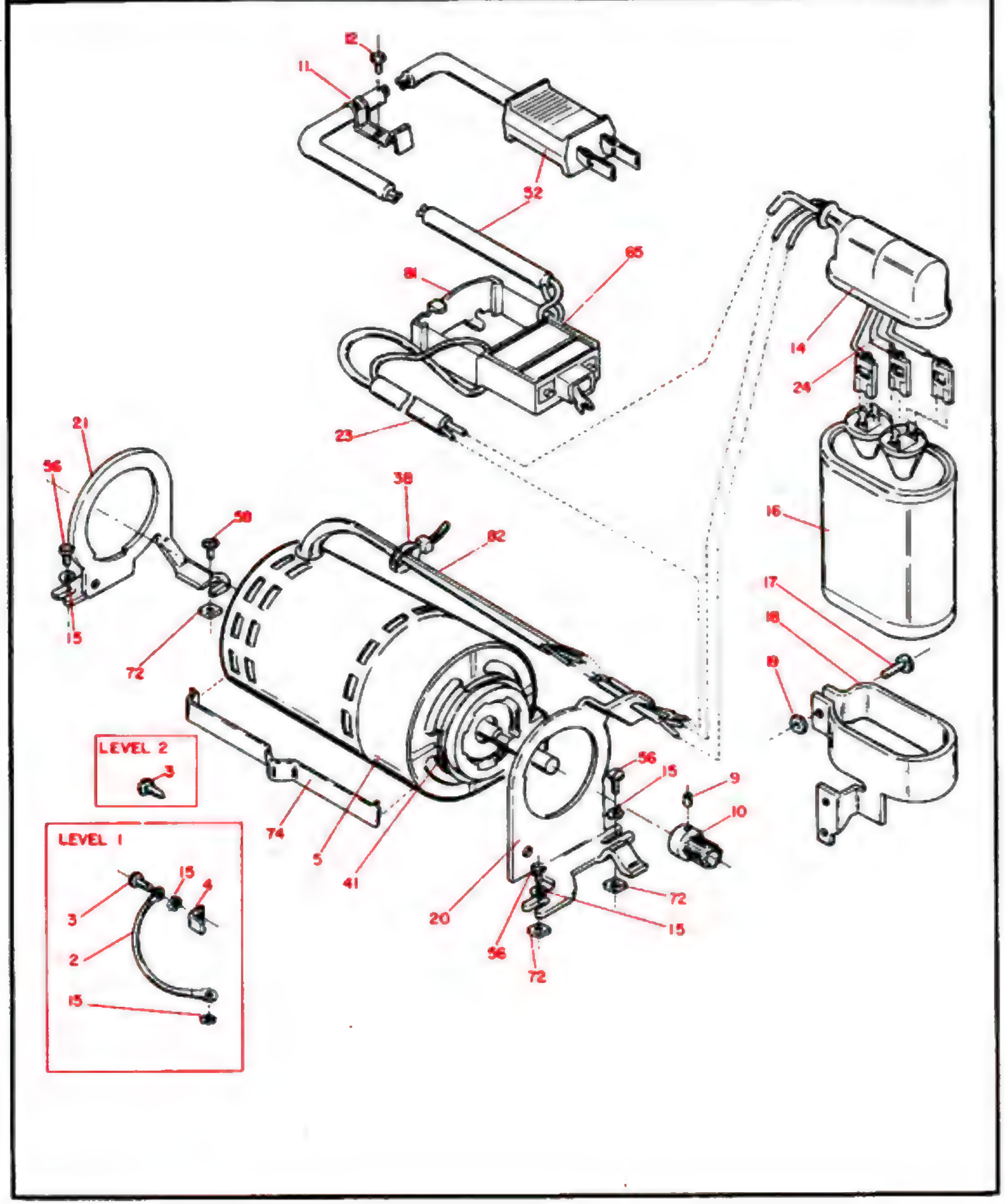
U.S. MOTOR &DRIVE
(SHADED POLE)



607-WIRE TIES FOR SECONDARY TRANSFORMER LEADS

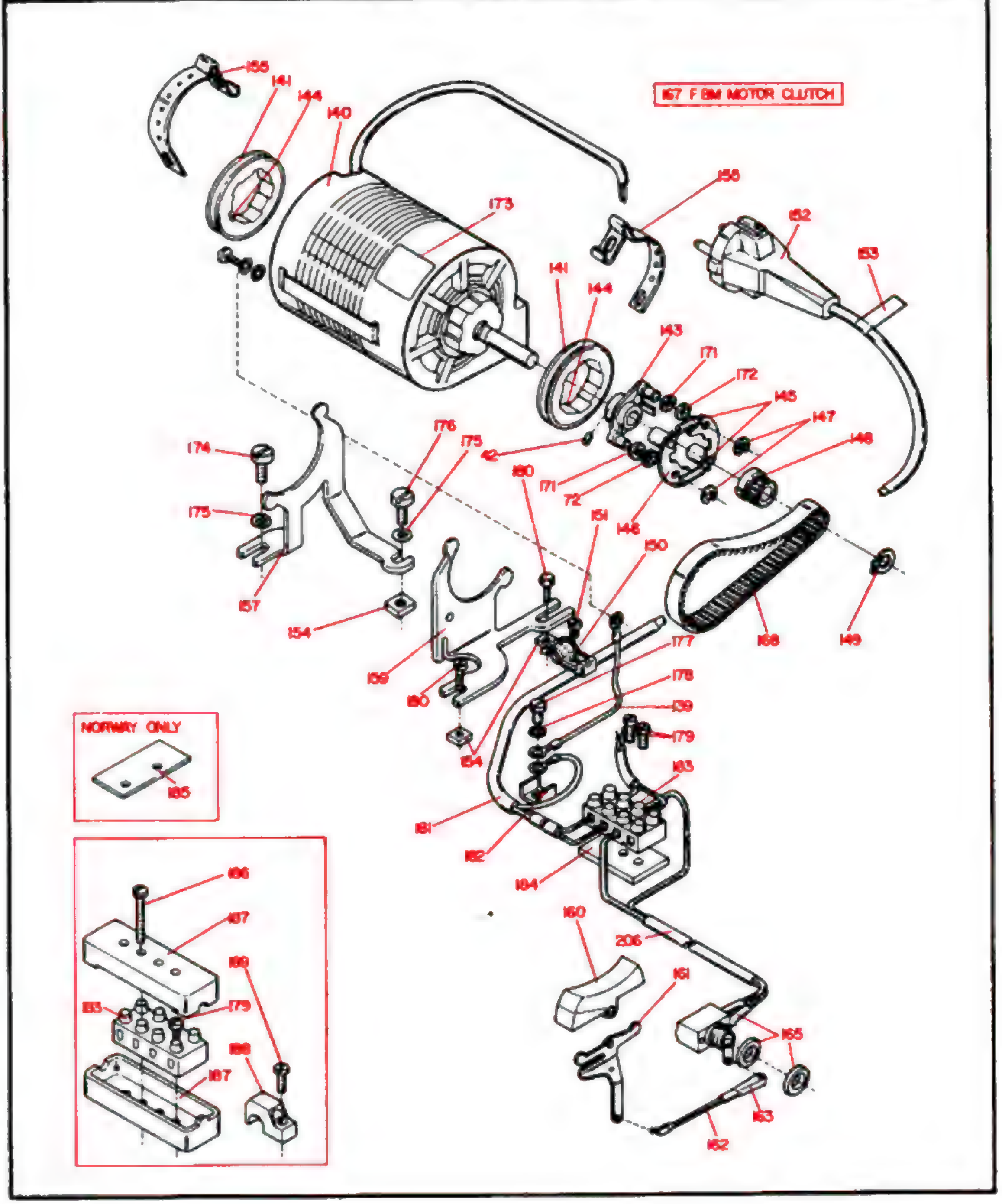
U.S. MOTOR & DRIVE
(CAPACITOR START)

MECH. CODE 11



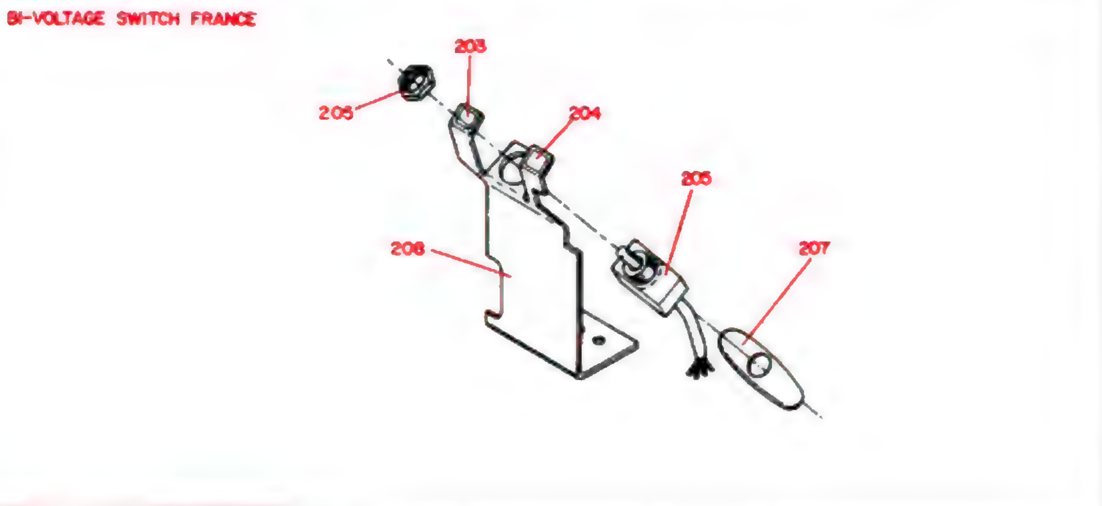
W.T. MOTOR & DRIVE
(NETHERLANDS – SHADED POLE)

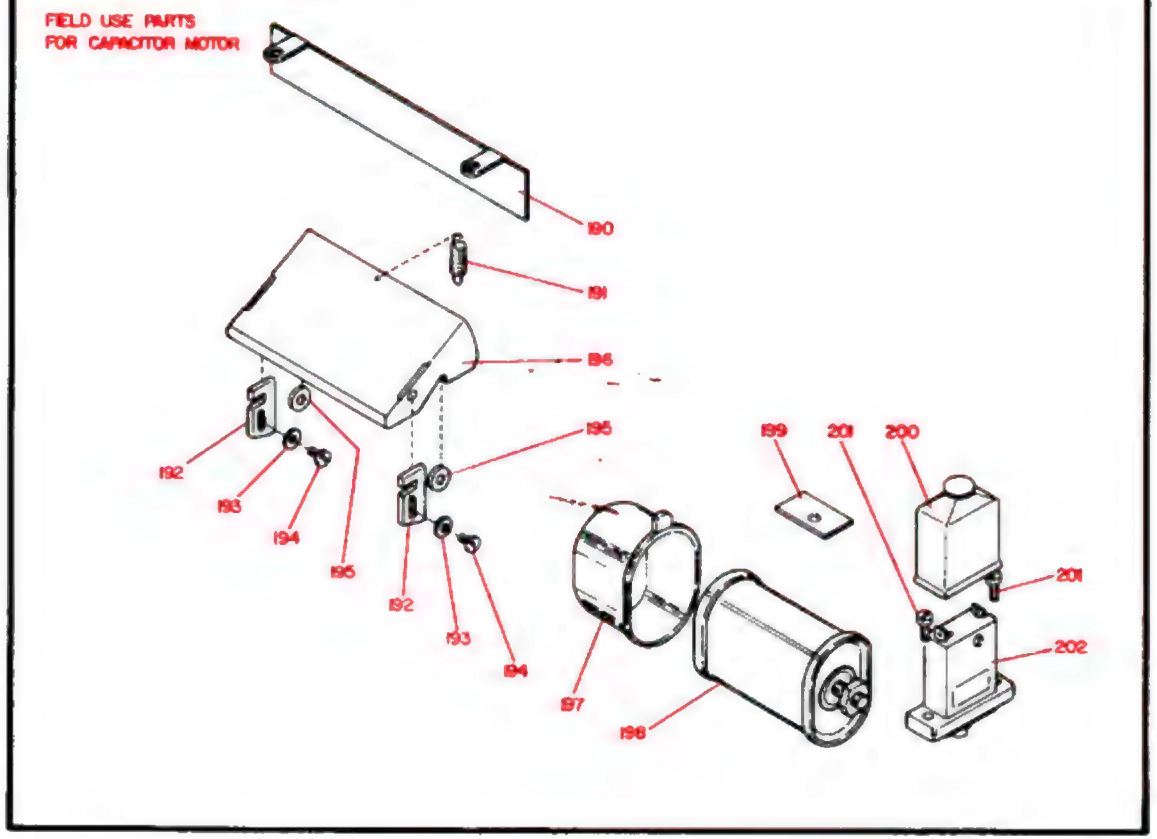
MECH. CODE 11



MECH. CODE
11

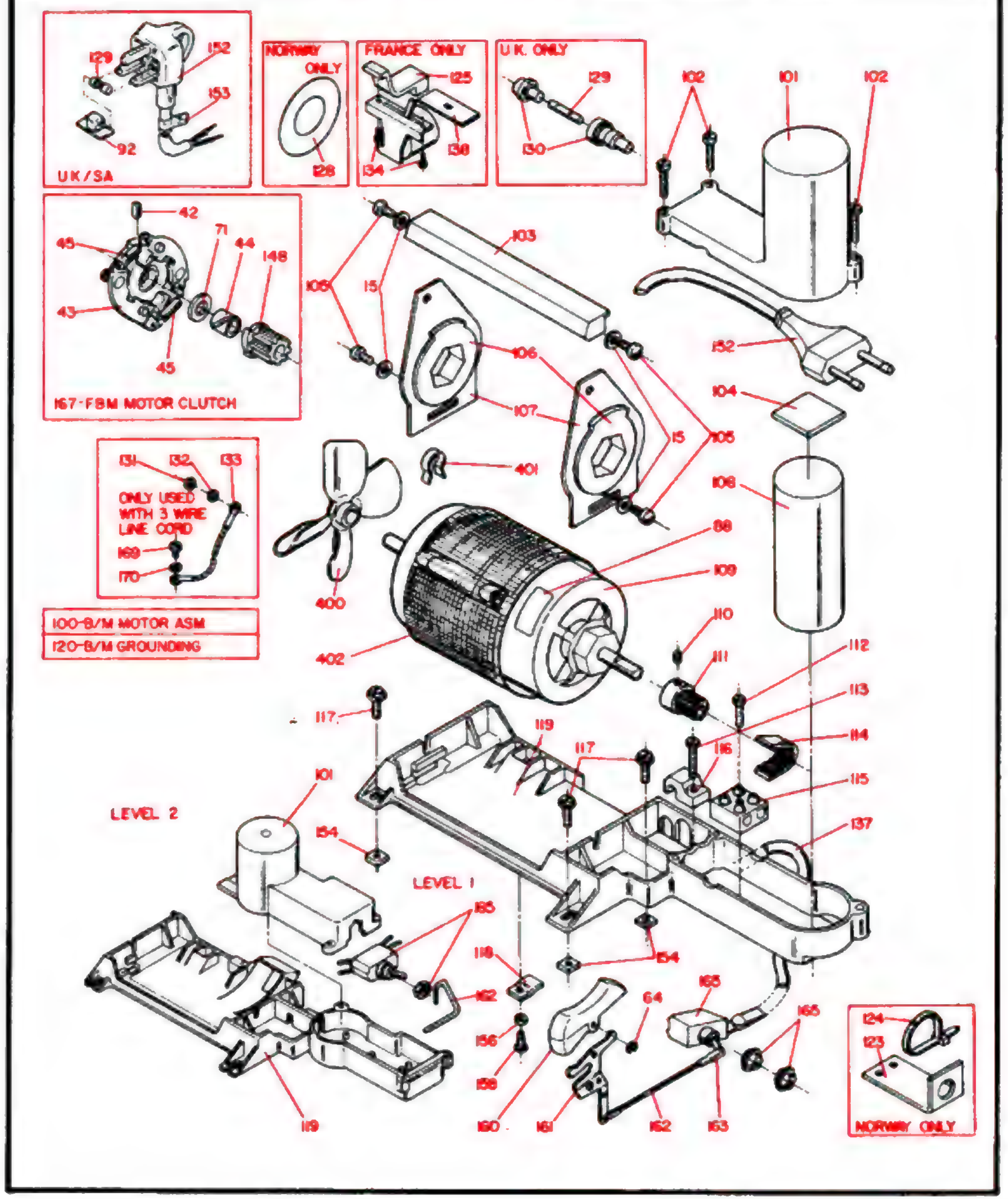
W.T. MOTOR
(NETHERLANDS – FIELD USE PARTS)





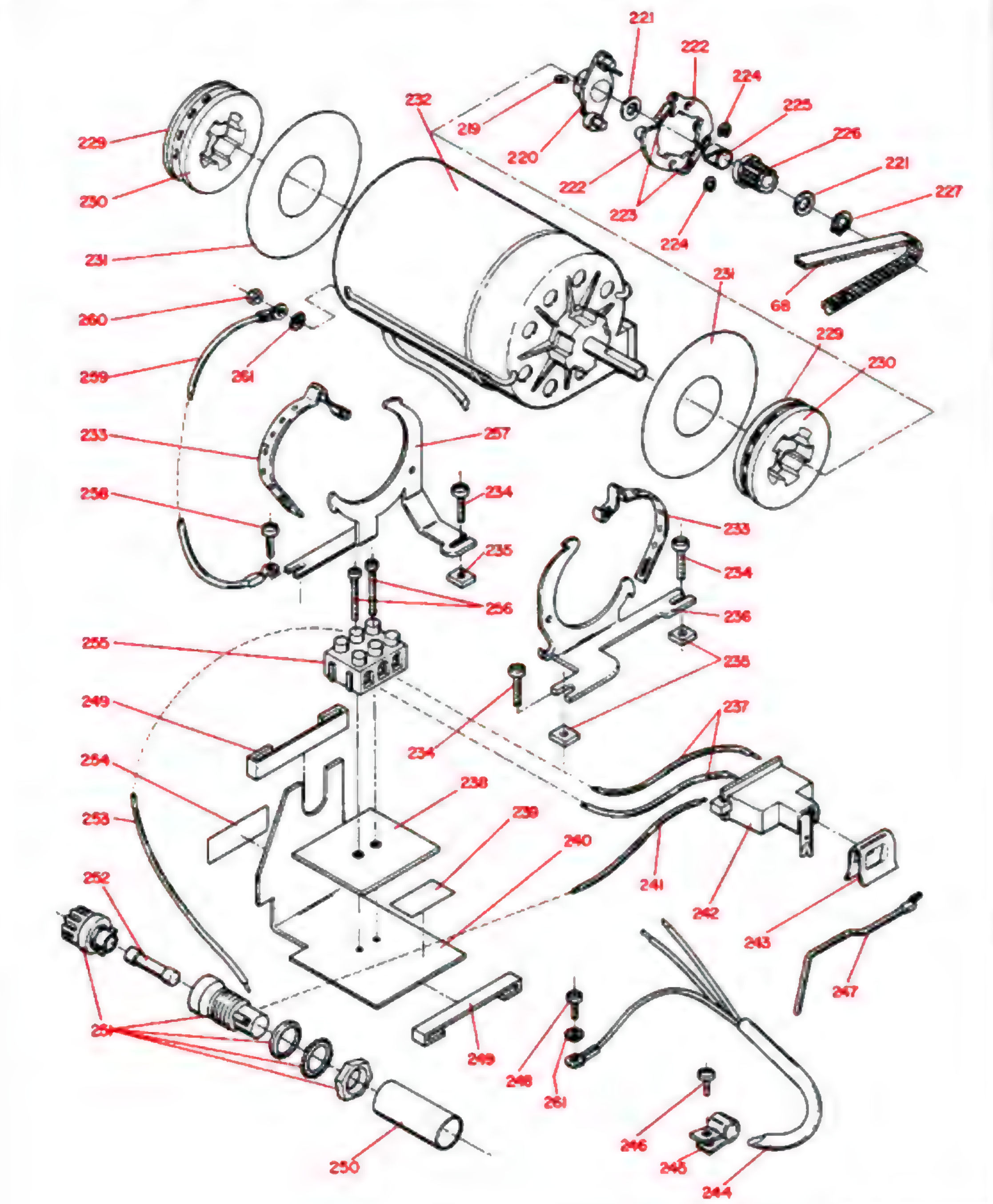
MECH. CODE
11

W.T. MOTOR & DRIVE
(NETHERLANDS – DOUBLE INSULATION)



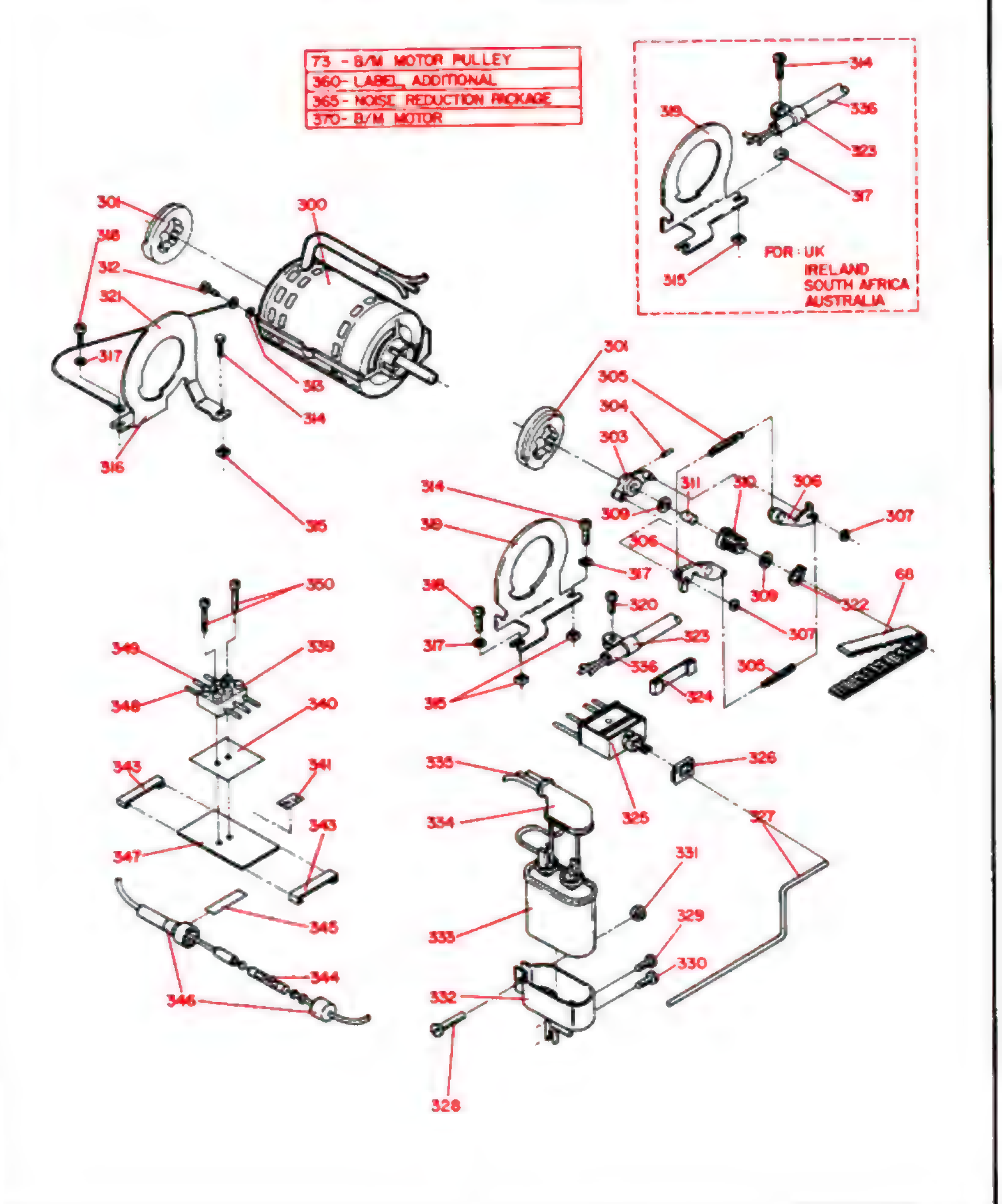
W.T. MOTOR & DRIVE
(CANADIAN – SHADED POLE)

MECH. CODE
11



W.T. MOTOR & DRIVE
(CANADIAN – DOUBLE INSULATION)

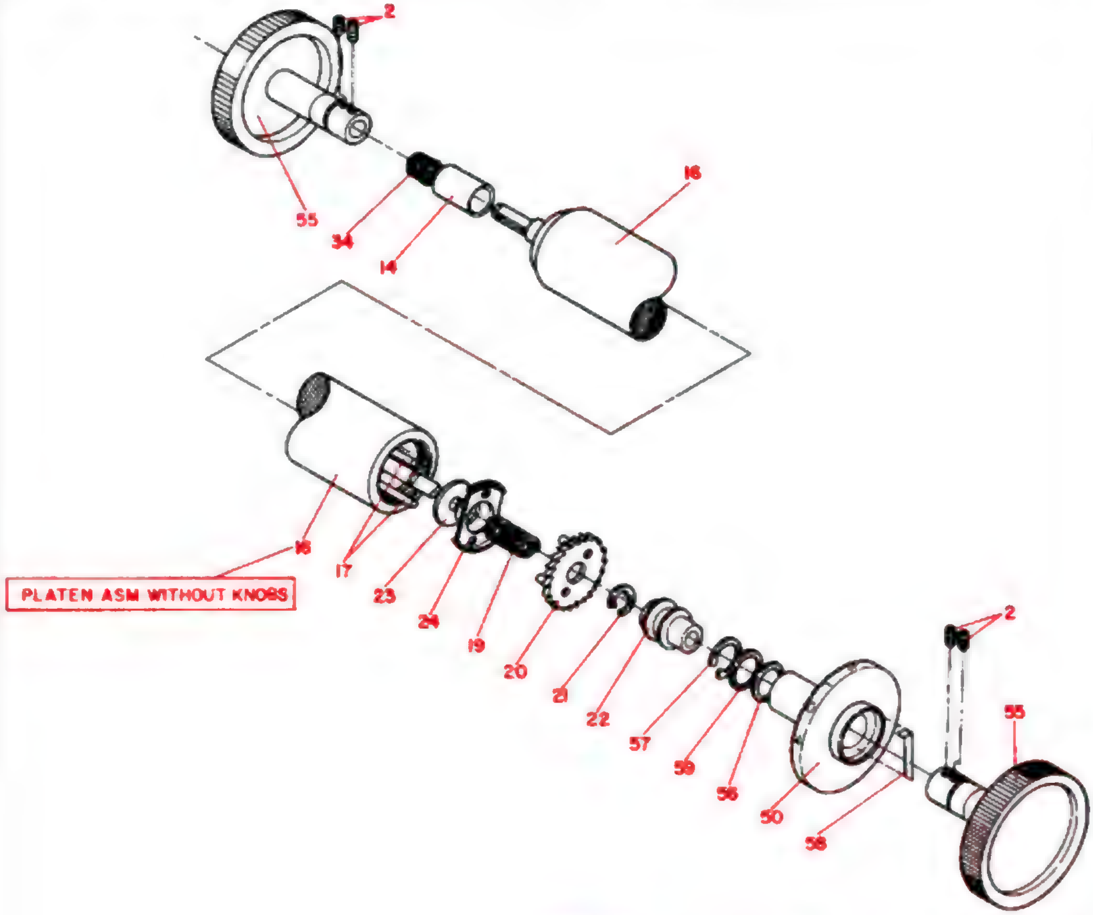
MECH. CODE
11

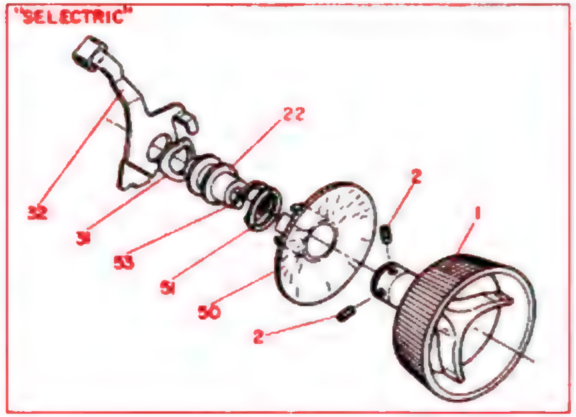

73 - B/M MOTOR PULLEY
360- LABEL, ADDITIONAL
365 - NOISE REDUCTION PACKAGE
370- B/M MOTOR

FOR : UK
IRELAND
SOUTH AFRICA
AUSTRALIA

MECH. CODE
12

PLATEN

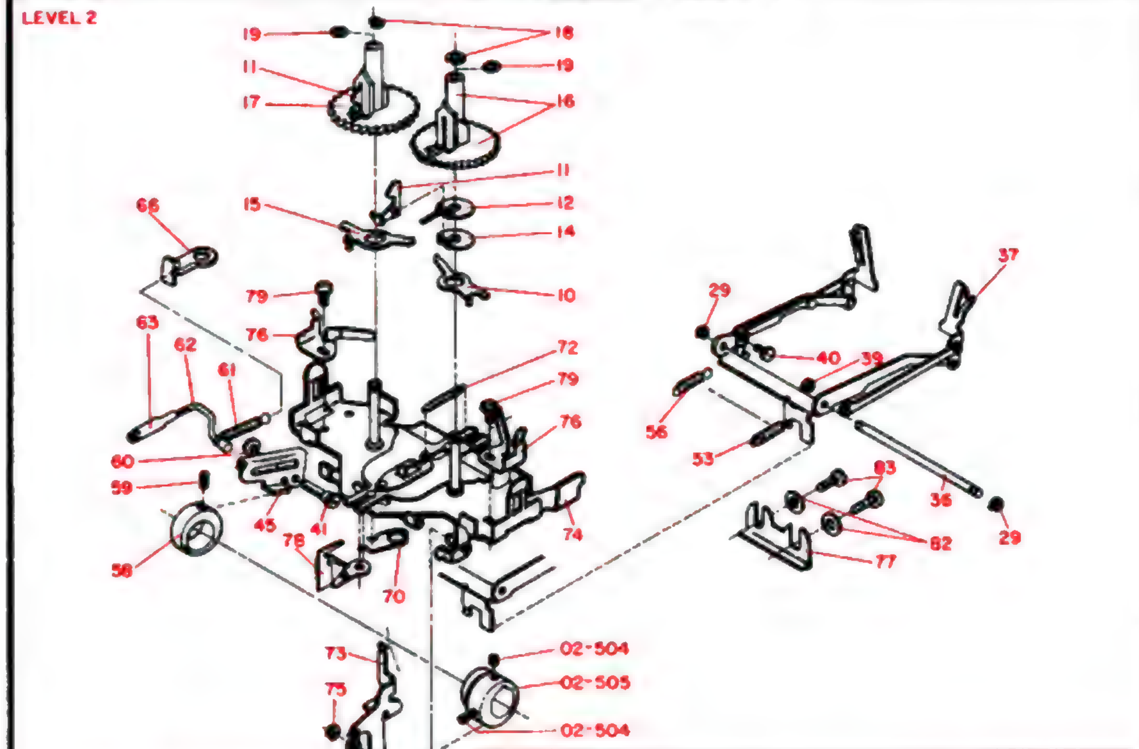




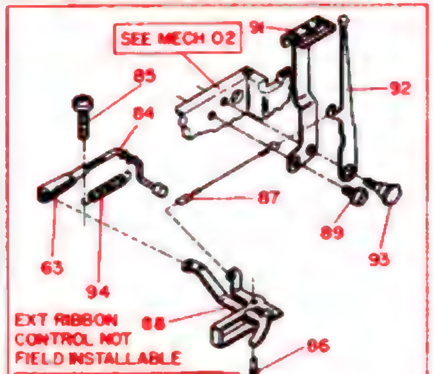
25 B/M 24T RATCHET CONVERSION
30 B/M 54T RATCHET
33 B/M LINE POSITION RESET LEVER

MECH. CODE
13

FABRIC RIBBON

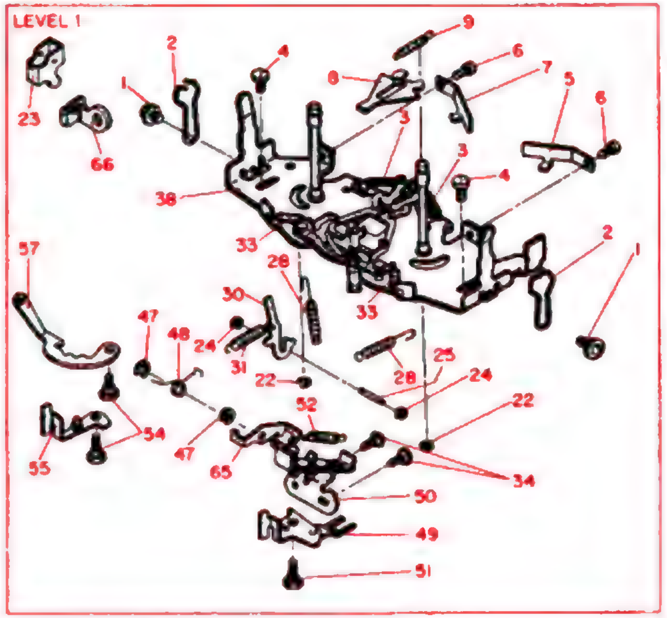


64 - LEVEL 1 RIBBON FEED ASM
80 - LEVEL 2 RIBBON FEED ASM
81 - B/M STENCIL LOCKOUT
02 - 130 - B/M CARRIER & ROCKER ASM 7/84X WITH EXTERNAL RIBBON CONTROL
02 - 130 - B/M CARRIER & ROCKER FAB. RIB. COMP.



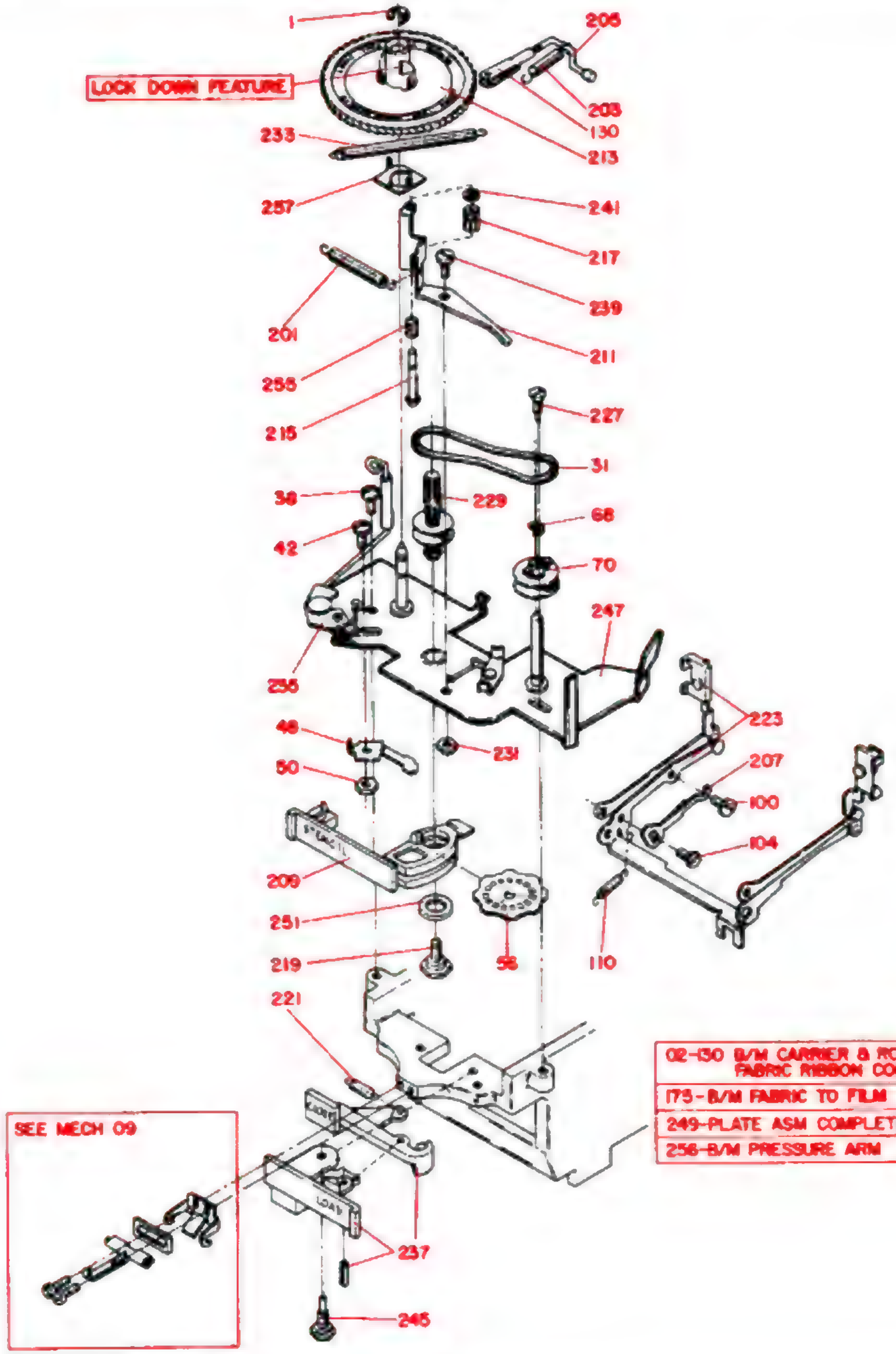
EXT RIBBON
CONTROL NOT
FIELD INSTALLABLE

500-B/M CARRIER AND ROCKER EXT. RIB. CONTROL



FILM RIBBON

MECH. CODE
14



02-130 B/M CARRIER & ROCKER ASM FABRIC RIBBON COMPLETE

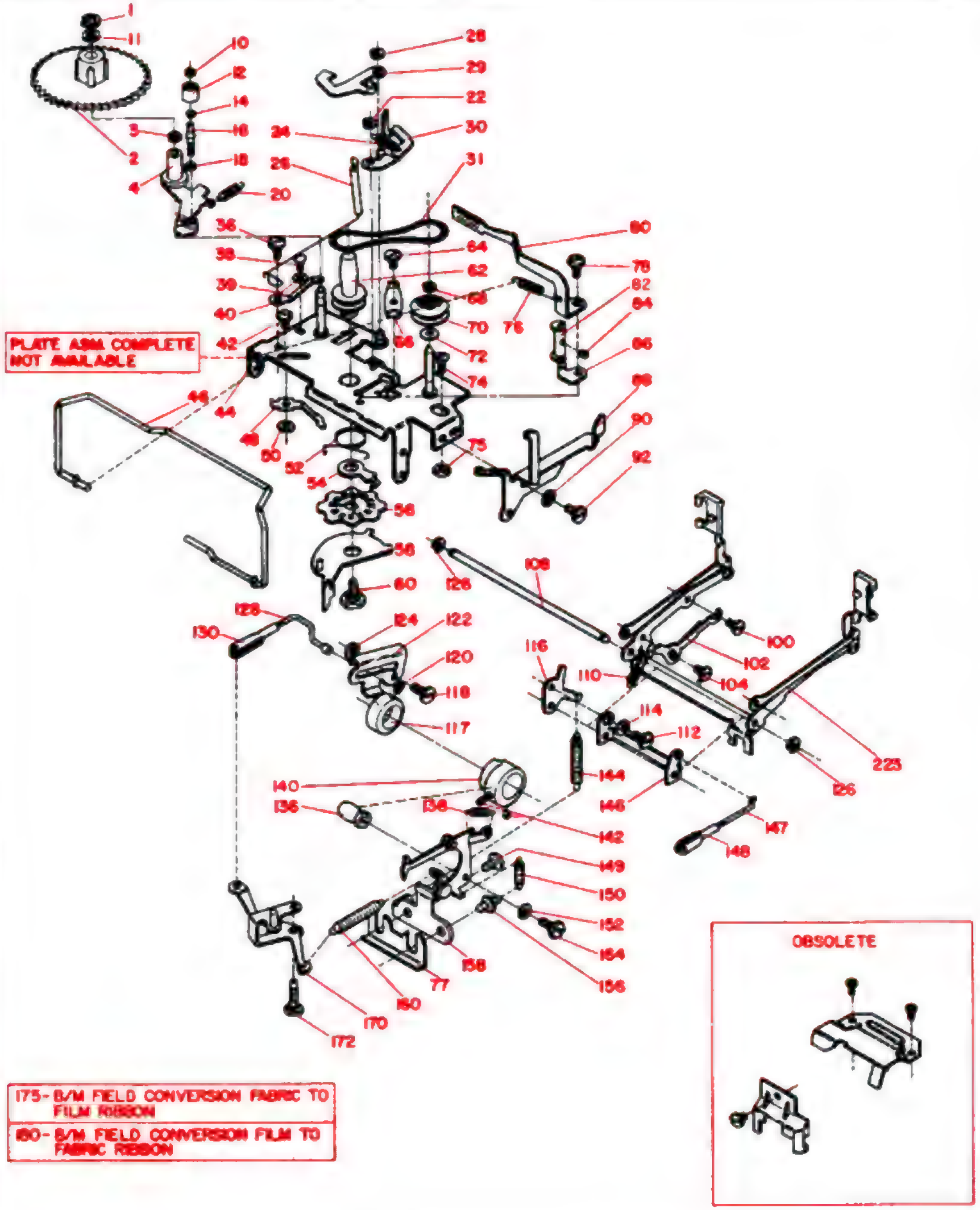
175-B/M FABRIC TO FILM

249-PLATE ASM COMPLETE

256-B/M PRESSURE ARM

FILM RIBBON

MECH. CODE
14

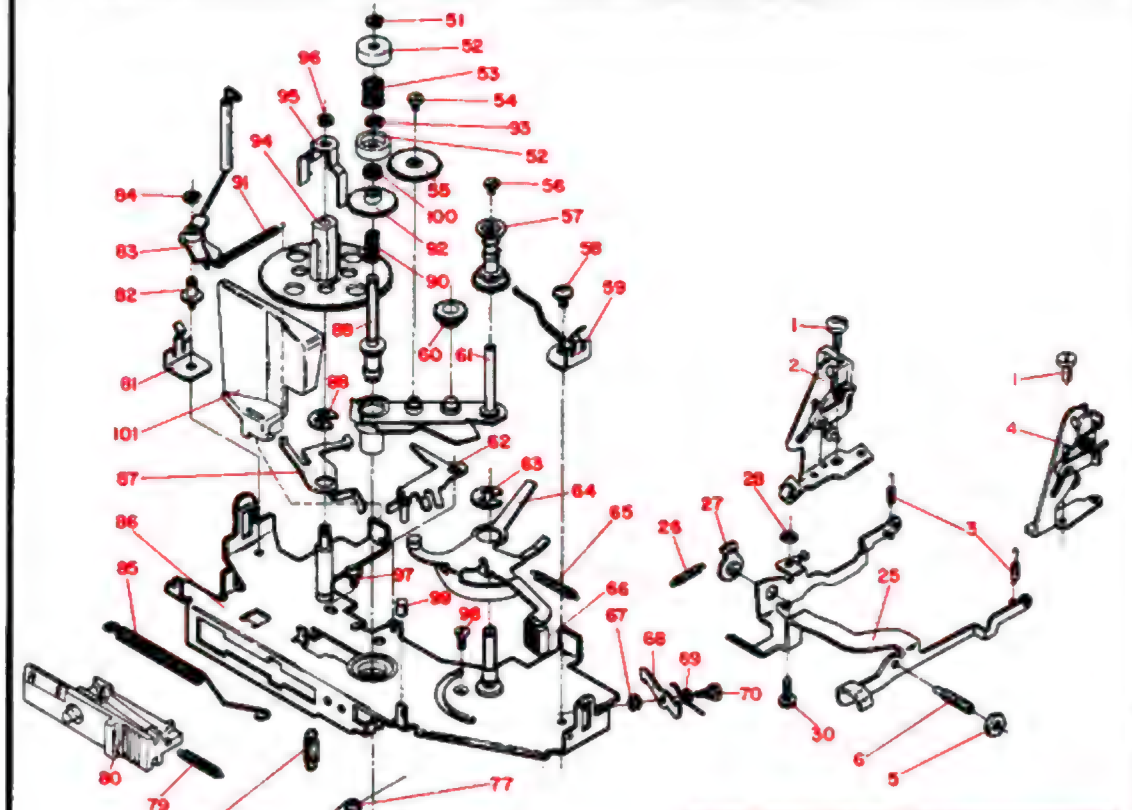


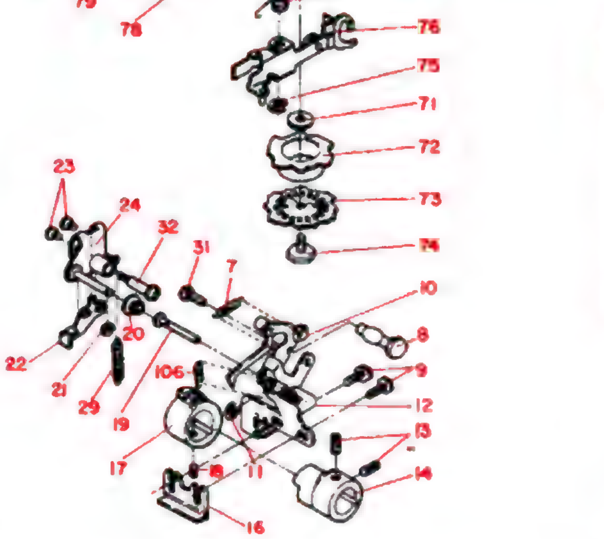
175- B/M FIELD CONVERSION FABRIC TO FILM RIBBON

180- B/M FIELD CONVERSION FILM TO FABRIC RIBBON

MECH. CODE
15

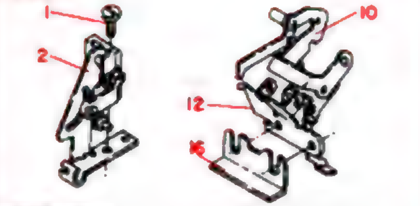
SELECTIVE RIBBON

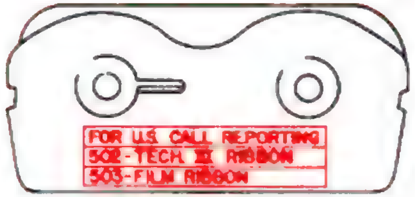




103-RIBBON FEED GEARS B/M
151-RIBBON PLATE ASM
506-SPREAD PLATE & FOLLOWER B/M

LEVEL 1





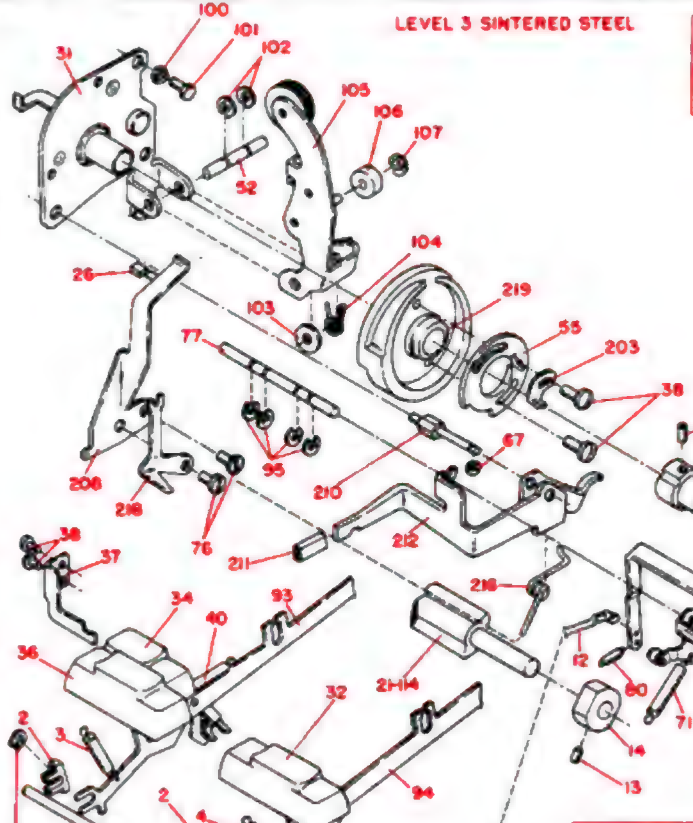
FOR U.S. CALL REPORTING
502-TECH. III RIBBON
503-FILM RIBBON

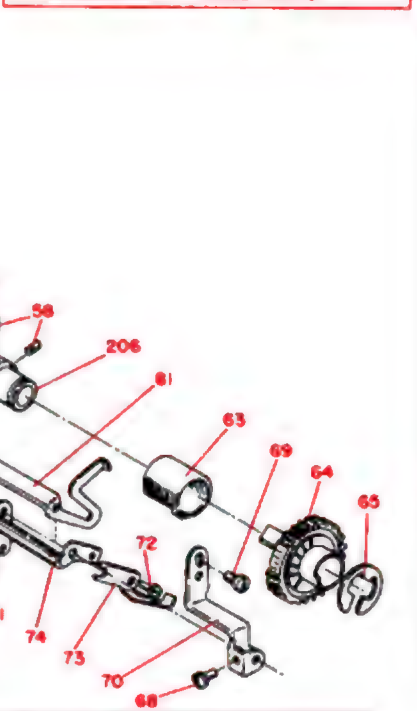
MECH. CODE
16

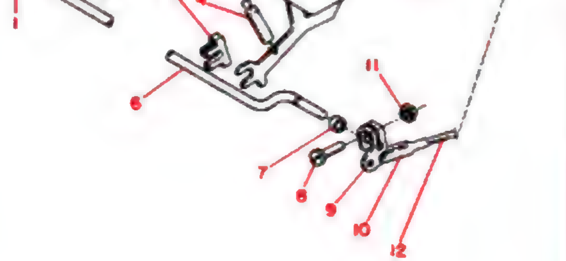
SHIFT

LEVEL 3 SINTERED STEEL

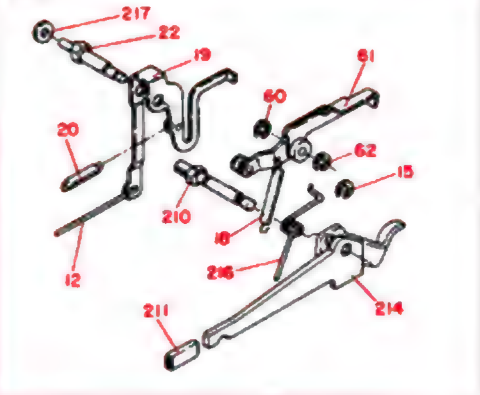
NON-REFERENCED PARTS IN MECH 16 NOT AVAILABLE. ORDER REF. 300 B/M AND REF. 220 B/M WHEN REPLACING ANY OF THESE PARTS







7 X 1

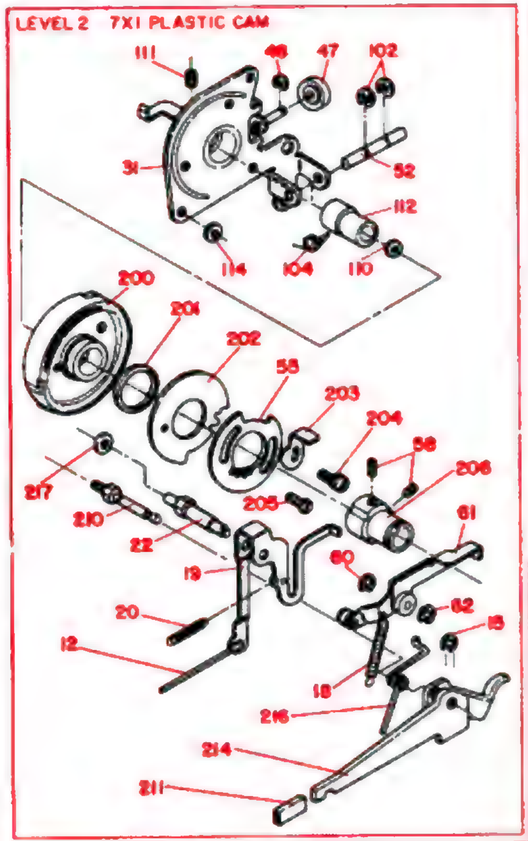


300-B/M SHIFT ARM & BEARING ASM.
220-B/M SINTERED STEEL CONVERSION

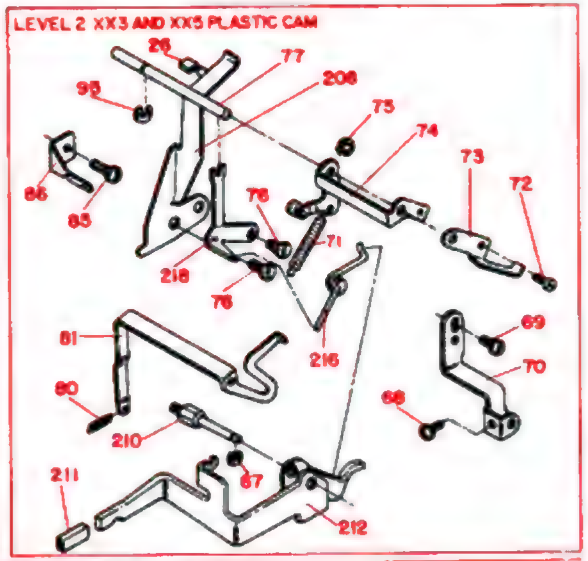
SHIFT

MECH. CODE
16

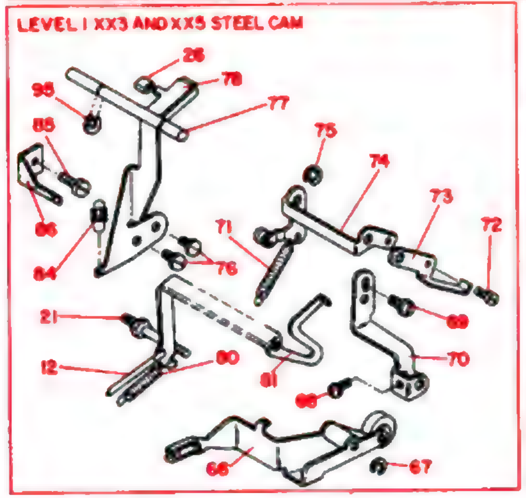
LEVEL 2 7X1 PLASTIC CAM



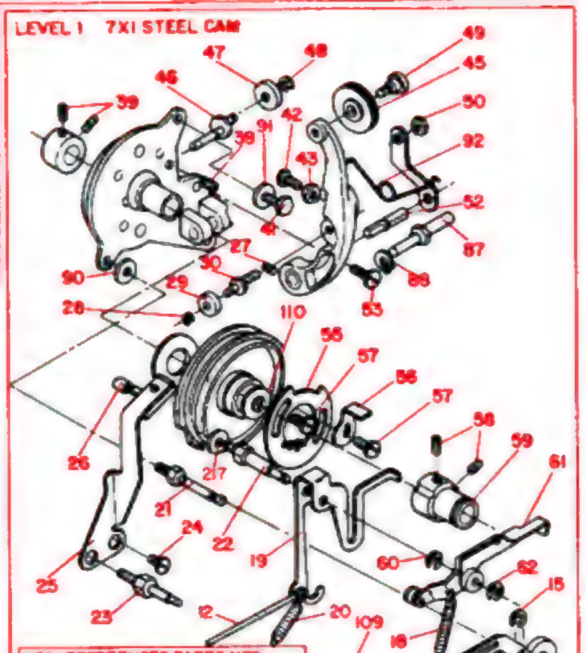
LEVEL 2 XX3 AND XX5 PLASTIC CAM



LEVEL 1 XX3 AND XX5 STEEL CAM



LEVEL 1 7X1 STEEL CAM

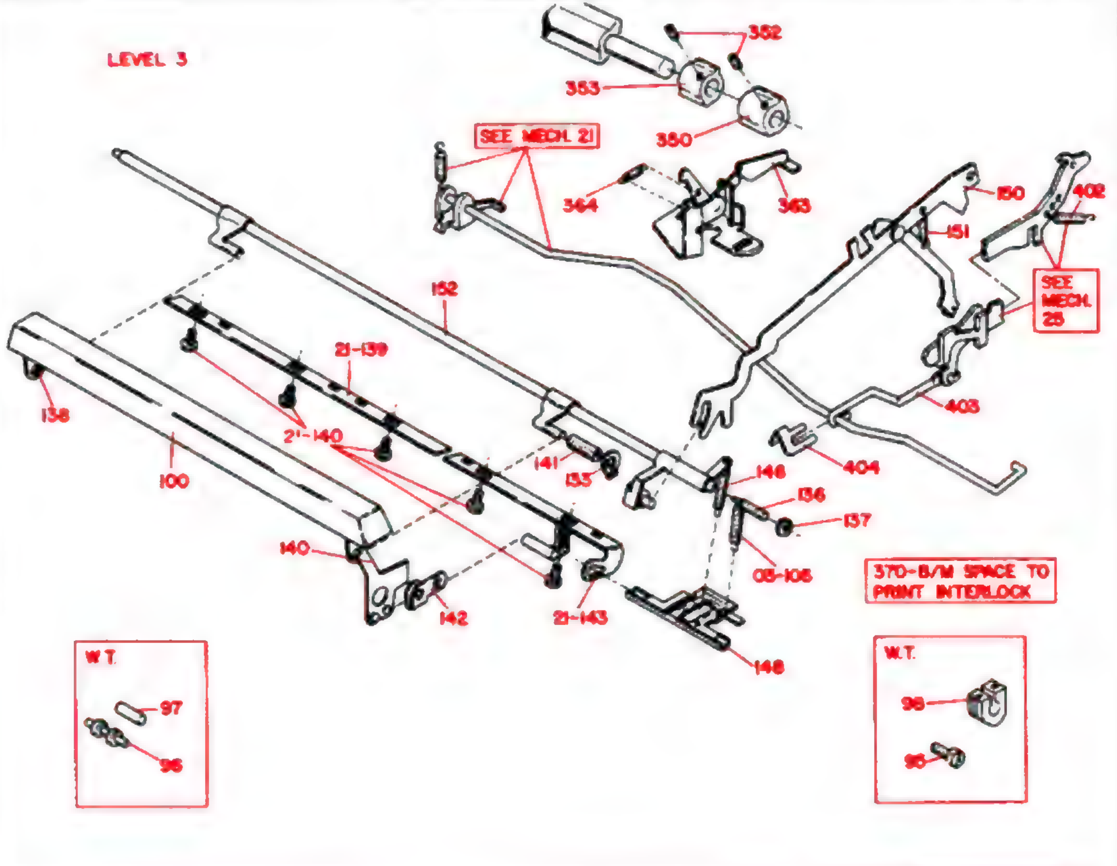


NON-REFERENCED PARTS NOT AVILABLE ORDER REF 300 B/M AND REF. 220 B/M WHEN REPLACING ANY OF THESE PARTS

SPACEBAR

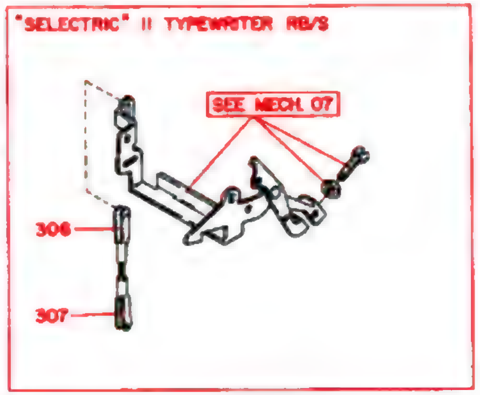
MECH. CODE
17

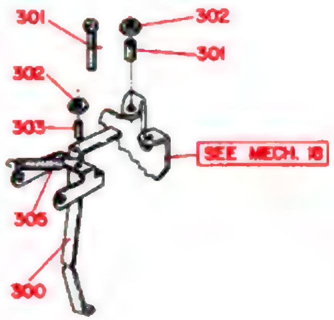
LEVEL 3



370-B/M SPACE TO PRINT INTERLOCK

"SELECTRIC" II TYPEWRITER RB/S

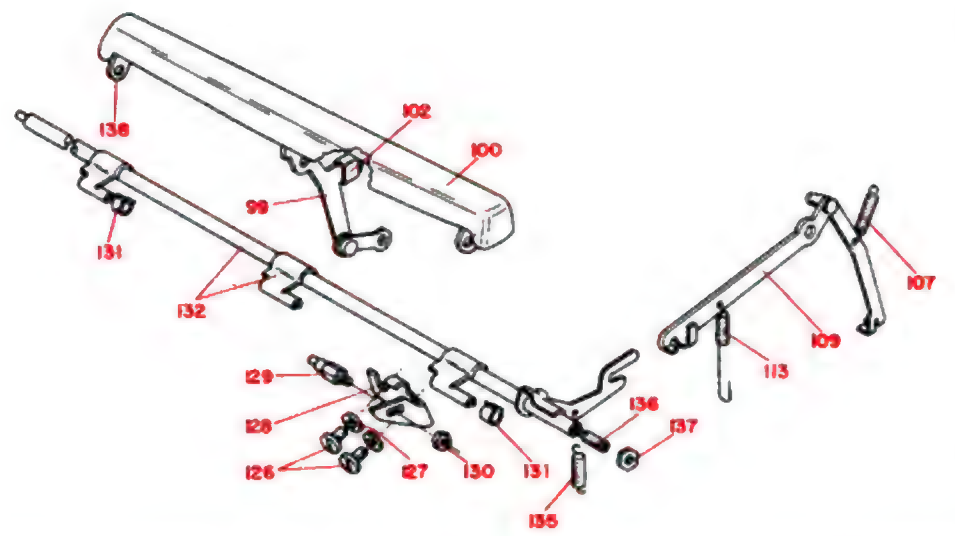




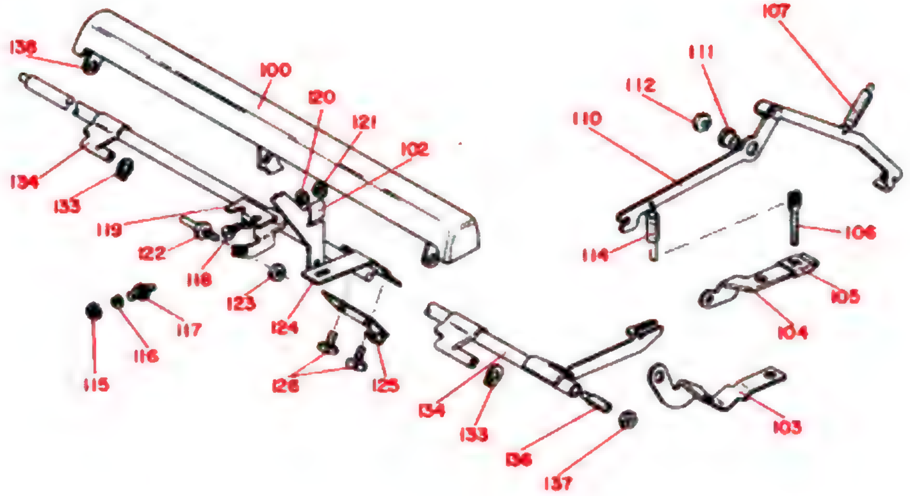
MECH. CODE
17

SPACEBAR

LEVEL 2

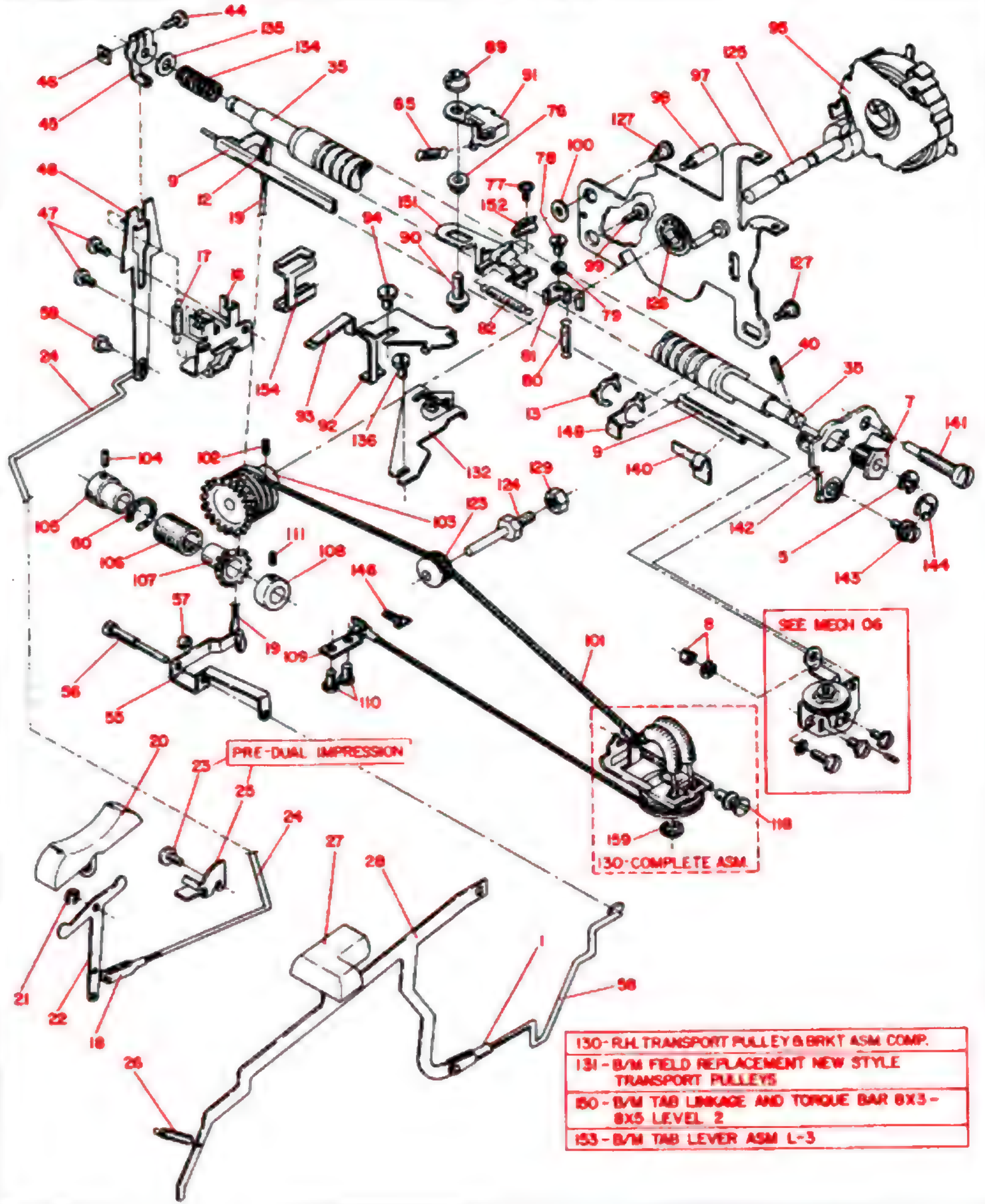


LEVEL 1



MECH. CODE
18

TAB
(NR B/S)

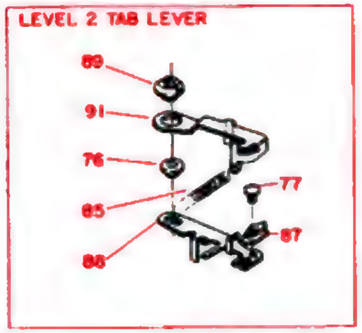


130-R.H. TRANSPORT PULLEY & BRKT ASM COMP.
131-B/M FIELD REPLACEMENT NEW STYLE TRANSPORT PULLEYS
150-B/M TAB LINKAGE AND TORQUE BAR 8X3-8X5 LEVEL 2
153-B/M TAB LEVER ASM L-3

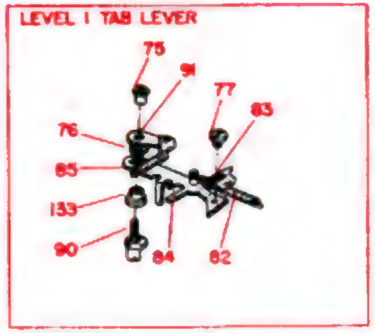
TAB
(NR B/S)

MECH. CODE
18

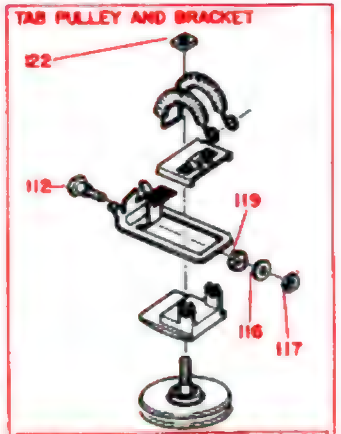
LEVEL 2 TAB LEVER



LEVEL I TAB LEVER

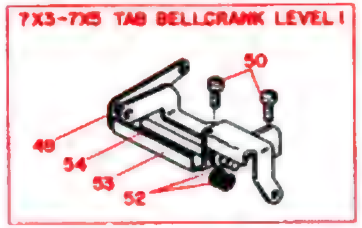


TAB PULLEY AND BRACKET

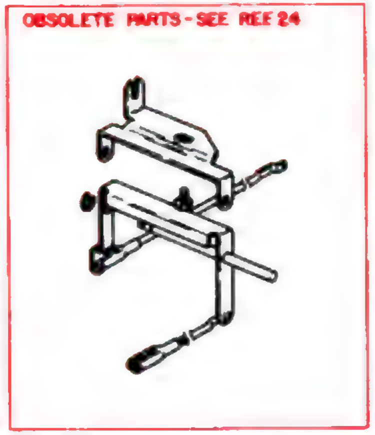


FOR PARTS NOT REFERENCED ORDER B/M 130-R.H. TRANSPORT PULLEY & BRKT ASM. COMPLETE

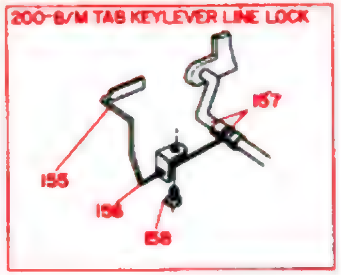
7X3-7X5 TAB BELLCRANK LEVEL I



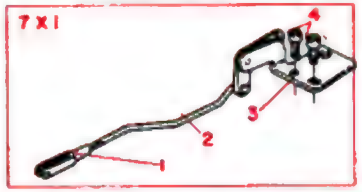
OBSOLETE PARTS - SEE REF 24



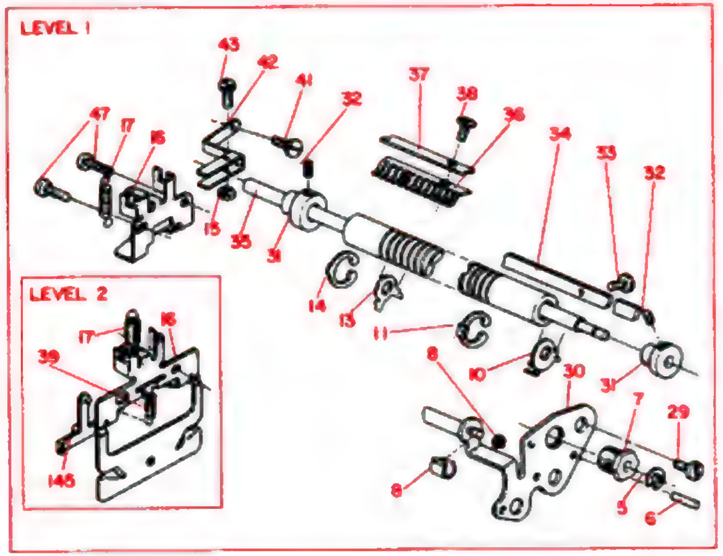
200-B/M TAB KEYLEVER LINE LOCK



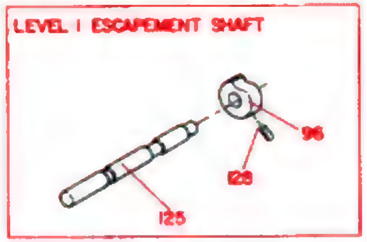
7 X I



LEVEL I

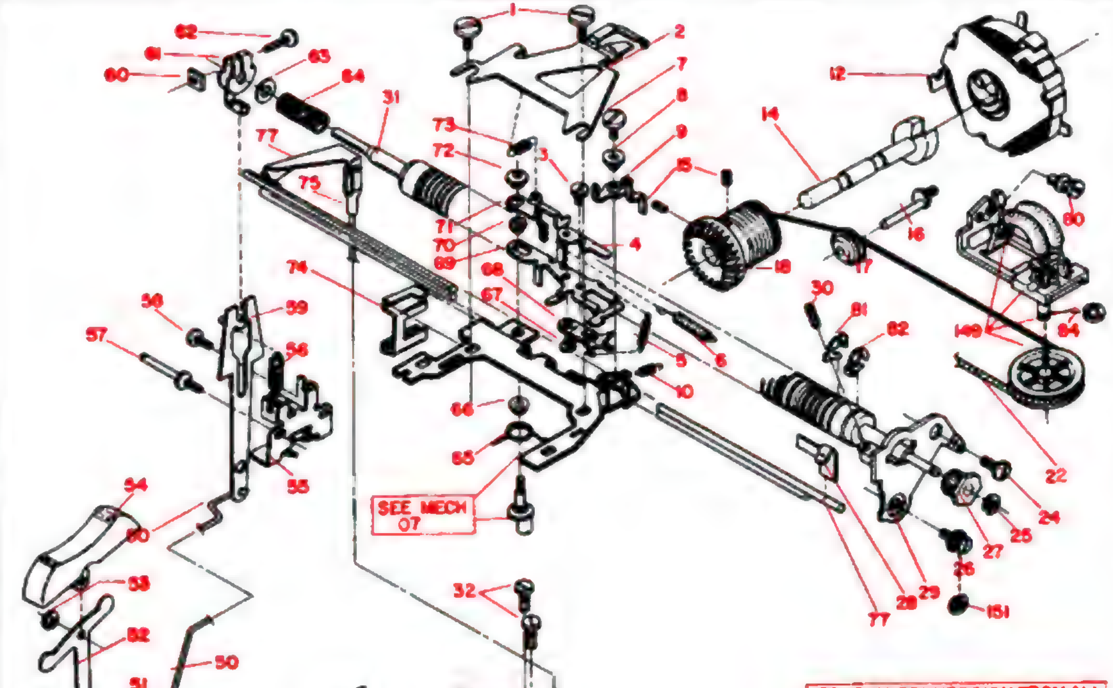


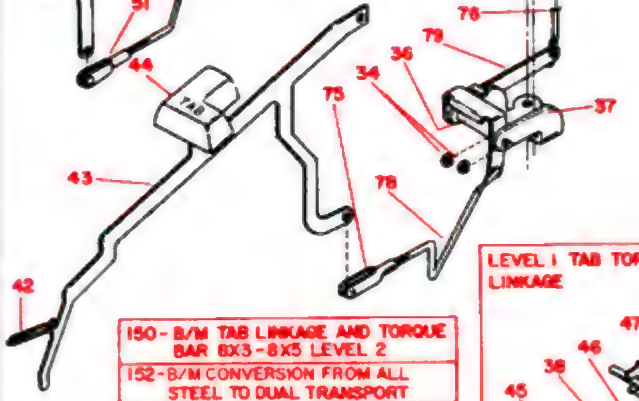
LEVEL I ESCAPEMENT SHAFT



TAB
(RB/S)

MECH. CODE
19

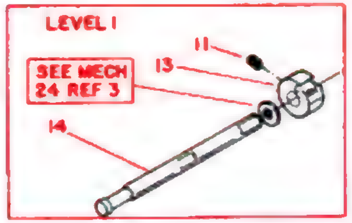




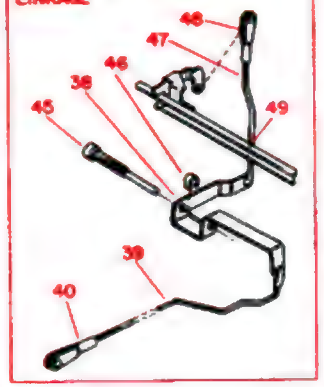
150- B/M TAB LINKAGE AND TORQUE BAR 8X3-8X5 LEVEL 2

152-B/M CONVERSION FROM ALL STEEL TO DUAL TRANSPORT

LEVEL I

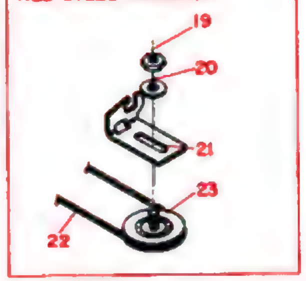


LEVEL I TAB TORQUE BAR & LINKAGE

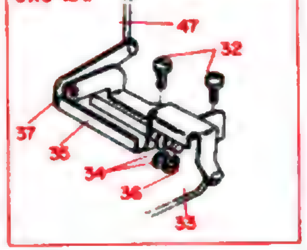


152-B/M CONVERSION FROM ALL STEEL TO DUAL TRANSPORT

ALL STEEL TRANSPORT



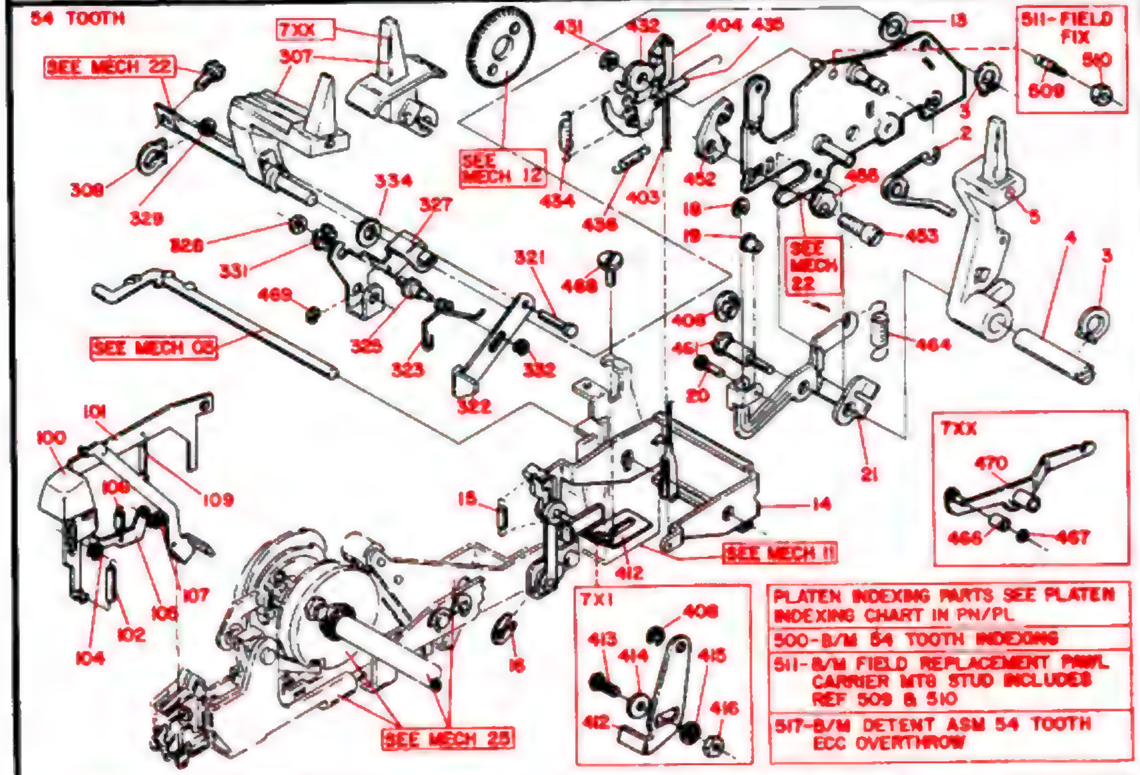
8X5 TAB TORQUE BAR LINKAGE 9X5 W.T.



MECH. CODE
20

INDEXING
(A-FRAME)

54 TOOTH



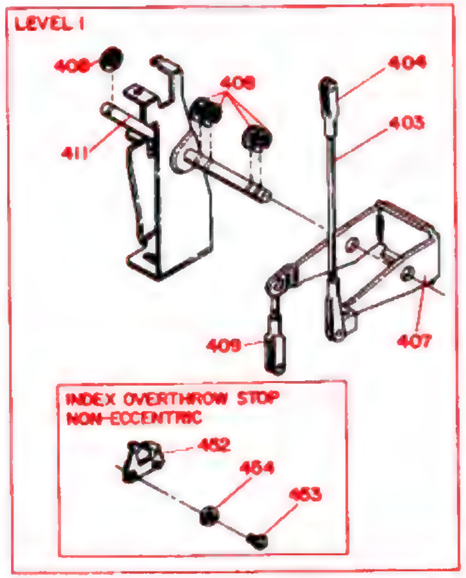
PLATEN INDEXING PARTS SEE PLATEN INDEXING CHART IN PN/PL

500-B/M 54 TOOTH INDEXING

511-B/M FIELD REPLACEMENT PAWL CARRIER MTG STUD INCLUDES REF 509 & 510

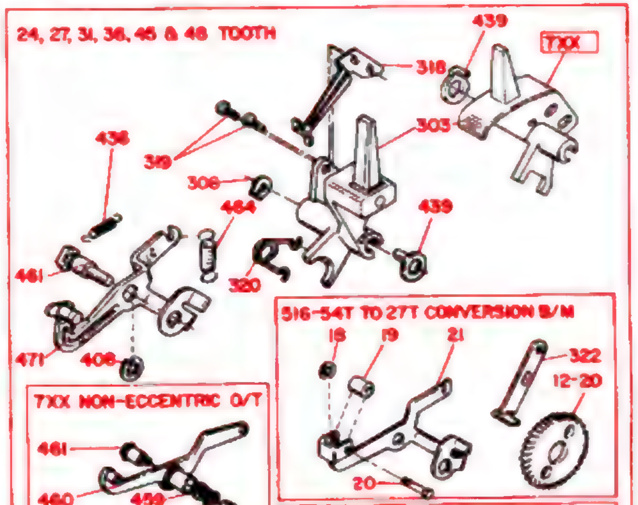
517-B/M DETENT ASM 54 TOOTH ECC OVERTHROW

LEVEL I



INDEX OVERTHROW STOP NON-ECCENTRIC

24, 27, 31, 36, 45 & 48 TOOTH



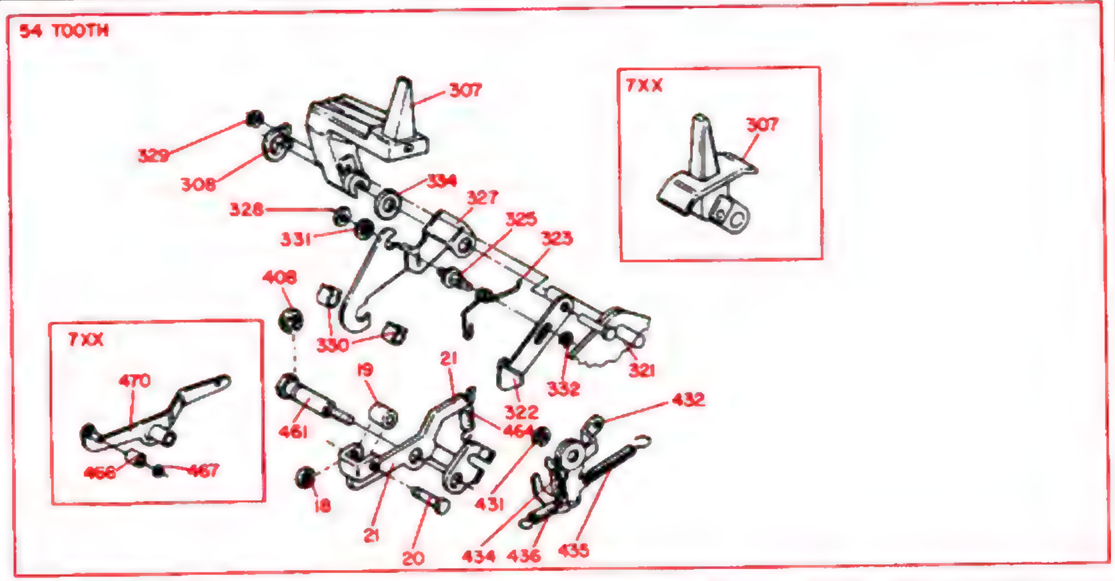
499-B/M 24 T

501-B/M 45 & 48T

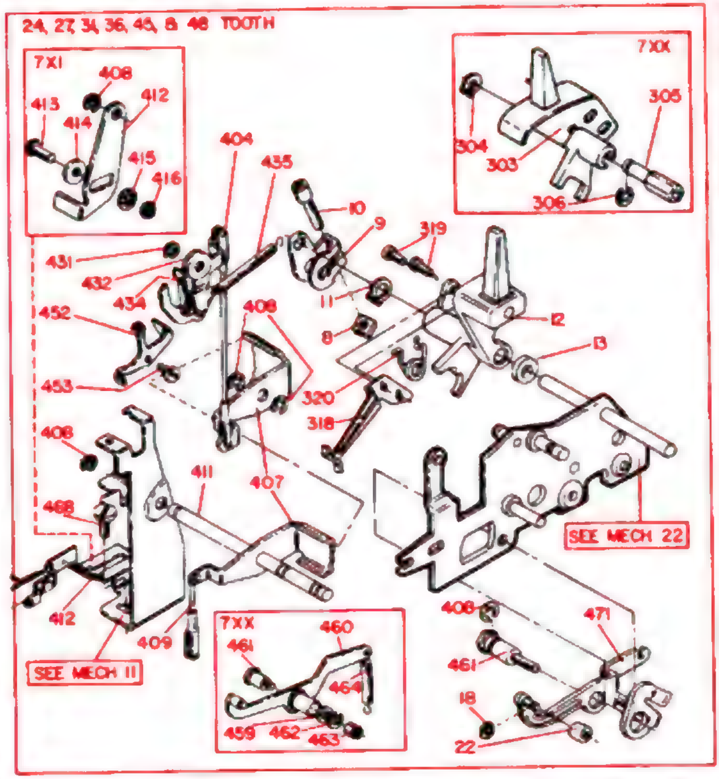
MECH. CODE
20

INDEXING
(TIE-ROD)

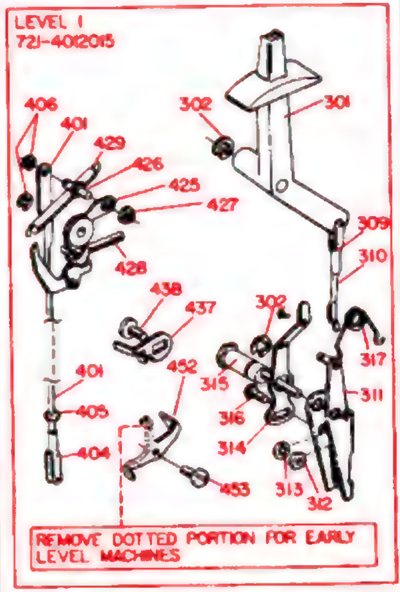
54 TOOTH



24, 27, 31, 36, 45 & 48 TOOTH



LEVEL I
721-4012015



REMOVE DOTTED PORTION FOR EARLY LEVEL MACHINES

499-B/M 24 TOOTH INDEXING

501-B/M 45 TOOTH INDEXING

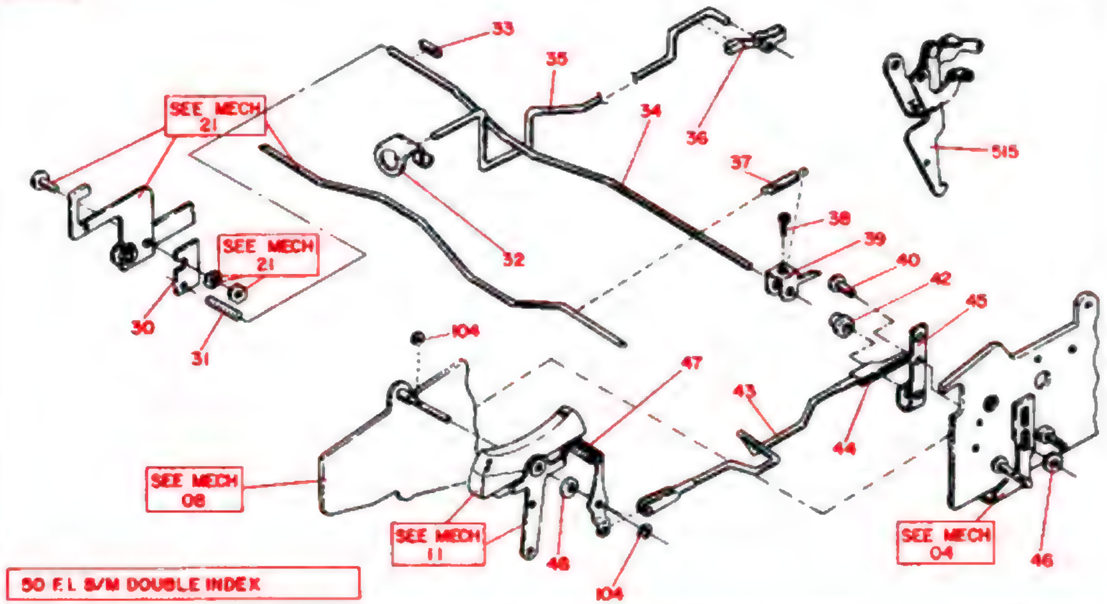
500-B/M 54 TOOTH INDEXING

516-B/M 54 T TO 27 T CONVERSION

INDEXING
(DOUBLE)

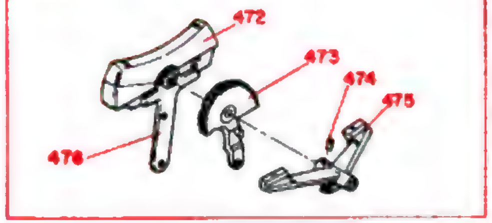
MECH. CODE
20

LEVEL 2

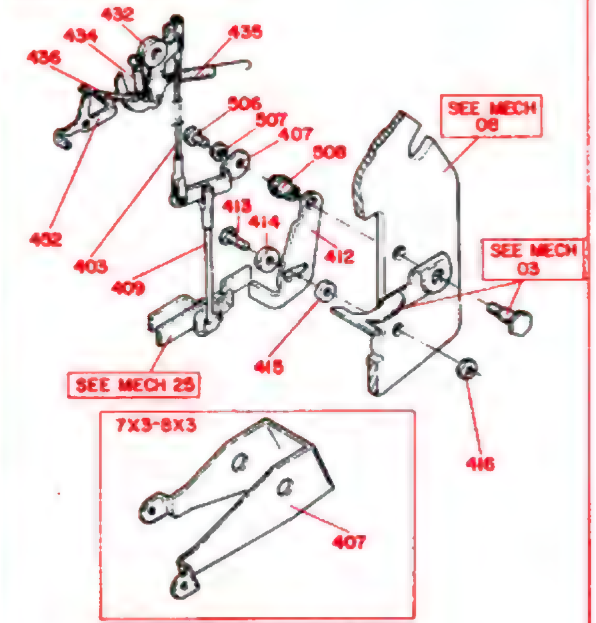


50 F.L B/M DOUBLE INDEX

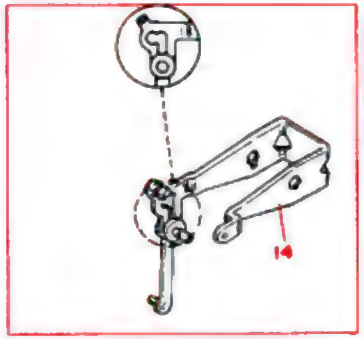
LEVEL 3

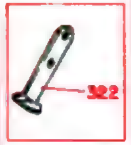


LEVEL 1 - 2, 2½, 3 LINES



505-B/M INDEX 2, 2½, 3 LINES

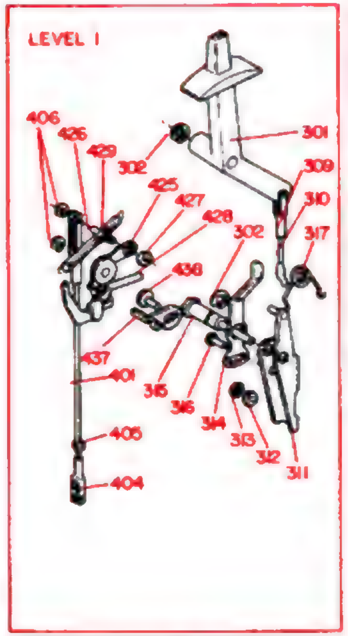




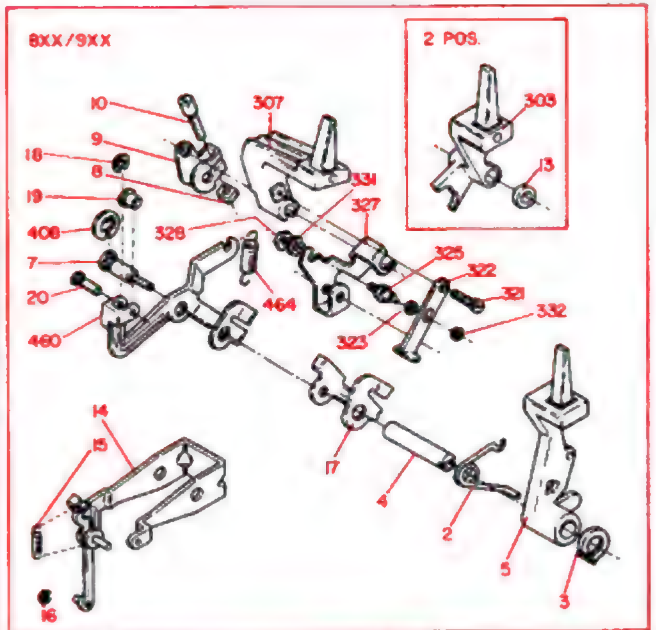
W.T. INDEXING

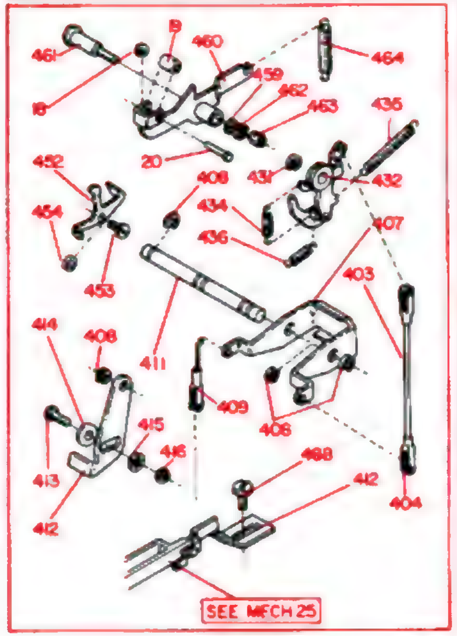
MECH. CODE
20

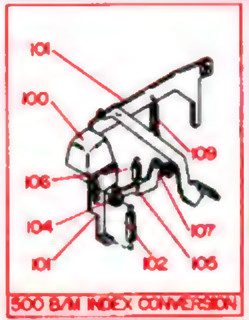
LEVEL 1



8XX/9XX

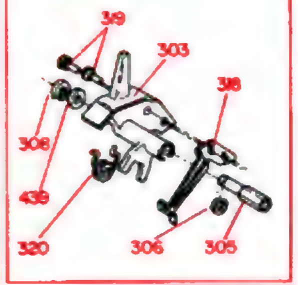


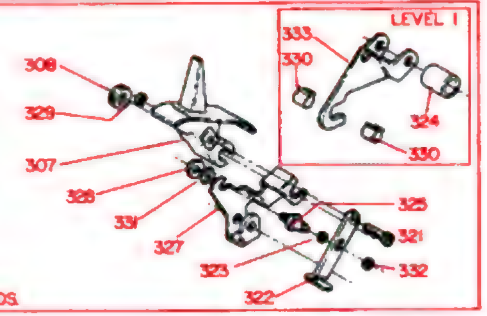




500 B/M INDEX CONVERSION

2 POS.

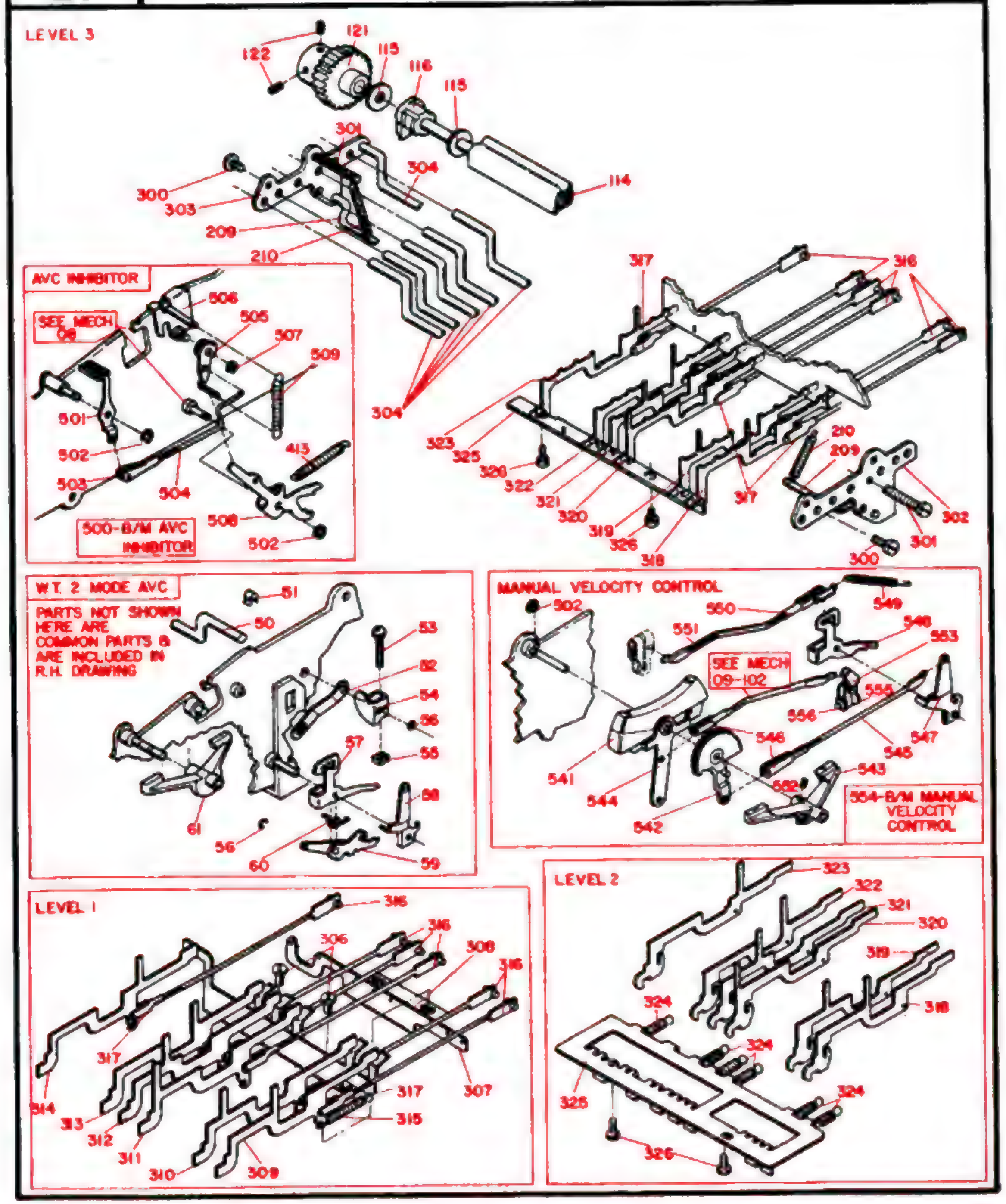




3 POS.

MECH. CODE
21

KEYBOARD



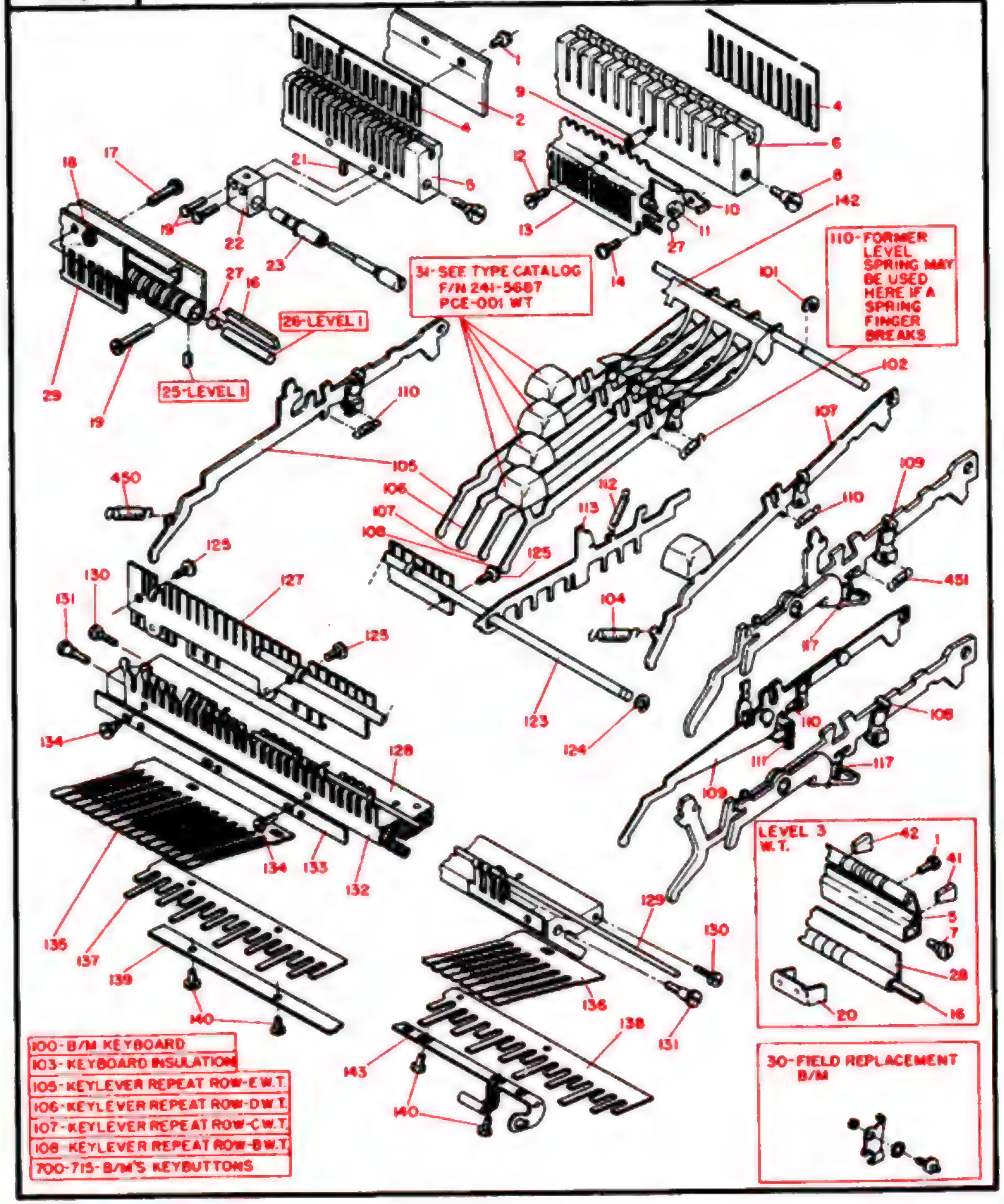
500-B/M AVC INHIBITOR

PARTS NOT SHOWN HERE ARE COMMON PARTS & ARE INCLUDED IN R.H. DRAWING

554-B/M MANUAL VELOCITY CONTROL

MECH. CODE
21

KEYBOARD



31-SEE TYPE CATALOG F/N 241-5687 PCE-001 WT

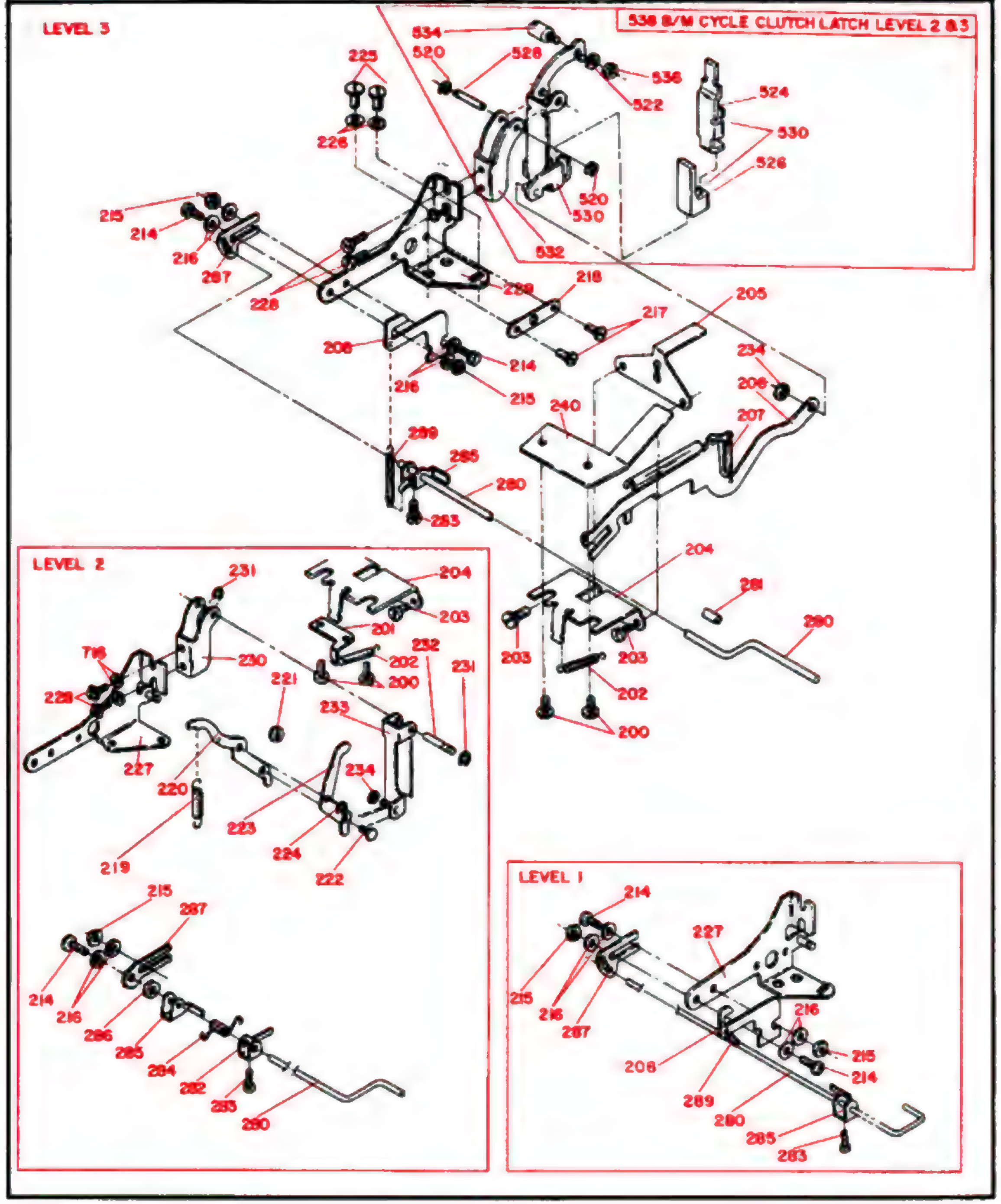
110-FORMER LEVEL SPRING MAY BE USED HERE IF A SPRING FINGER BREAKS

100-B/M KEYBOARD
103-KEYBOARD INSULATION
105-KEYLEVER REPEAT ROW-E W.T.
106-KEYLEVER REPEAT ROW-D W.T.
107-KEYLEVER REPEAT ROW-C W.T.
108-KEYLEVER REPEAT ROW-B W.T.
700-715-B/M'S KEYBUTTONS

30-FIELD REPLACEMENT B/M

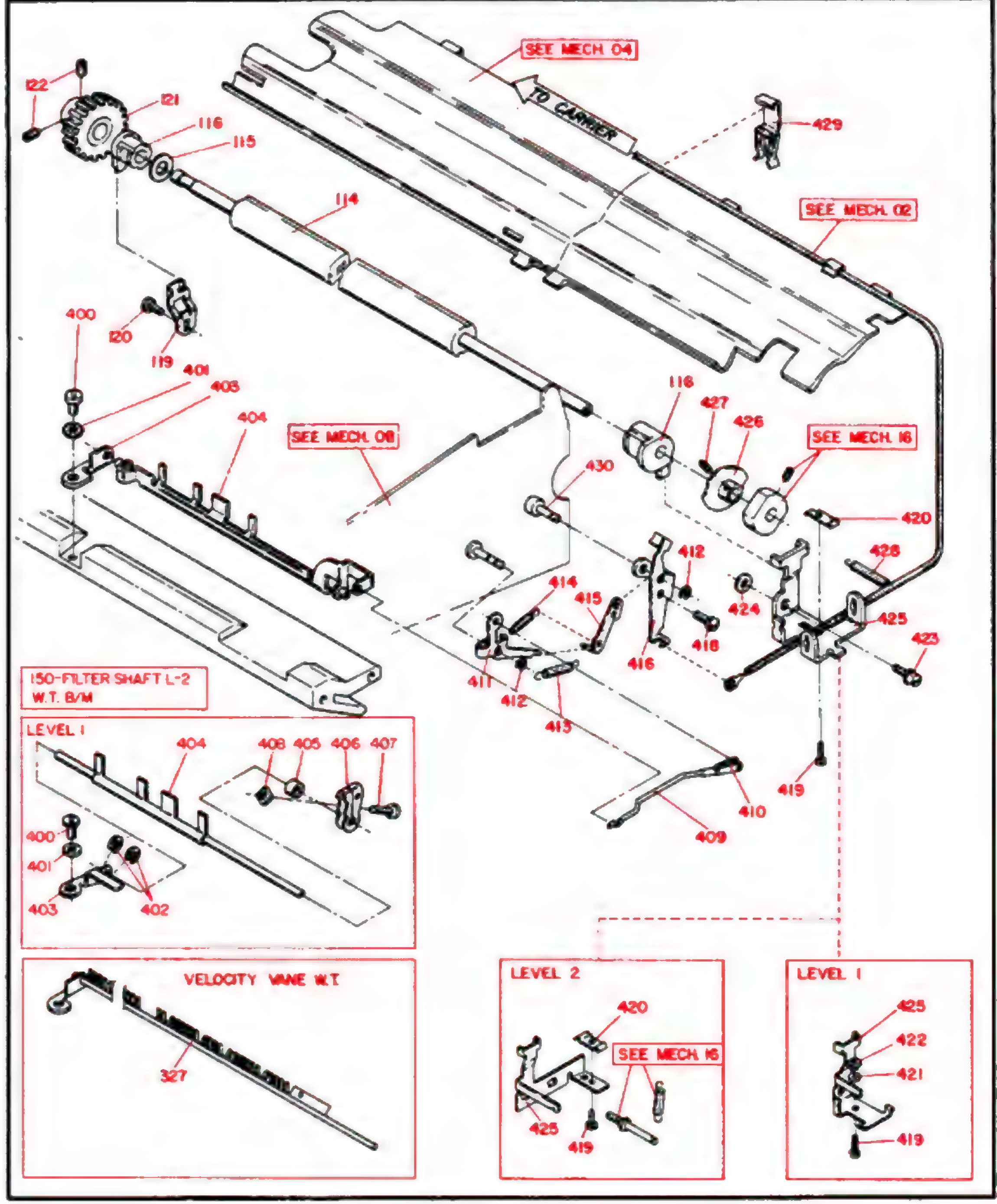
KEYBOARD

MECH. CODE
21



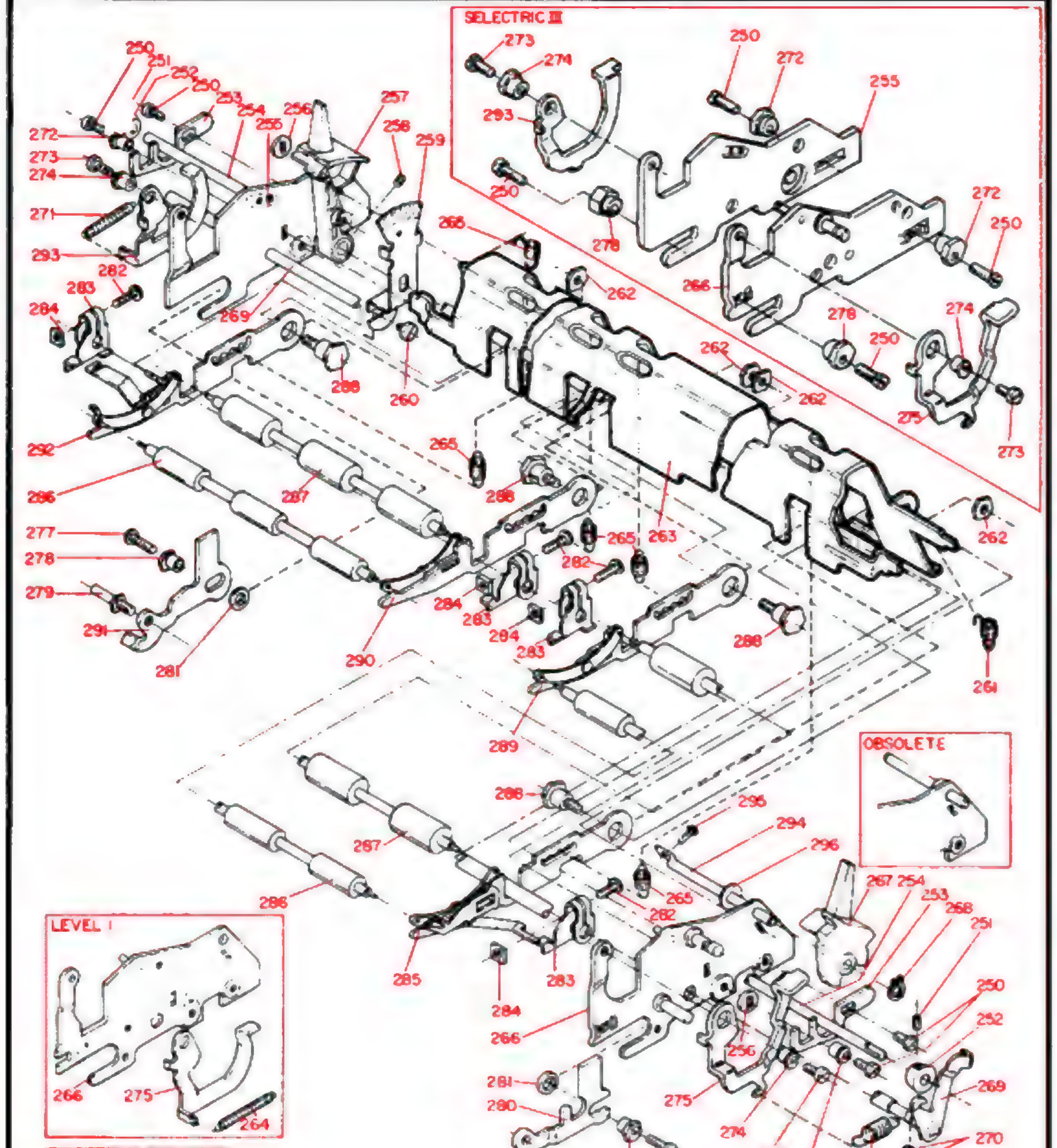
KEYBOARD
(DUAL IMPRESSION)

MECH. CODE
21



MECH. CODE
22

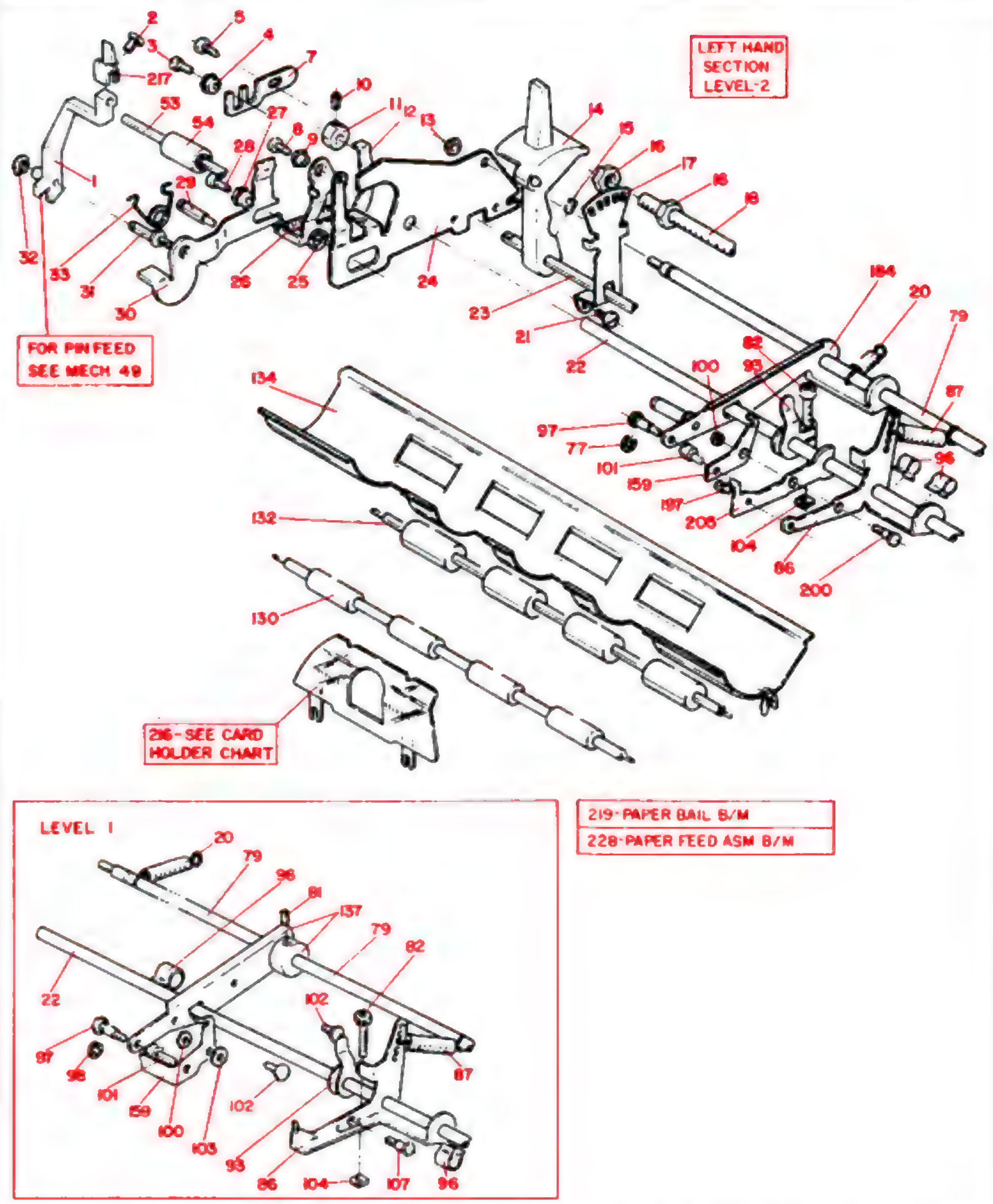
PAPER FEED
(A-FRAME)



228-PAPER FEED ASM
229-B/M, CONVERSION

MECH. CODE
22

PAPER FEED
(TIE-ROD)



LEFT HAND SECTION LEVEL-2

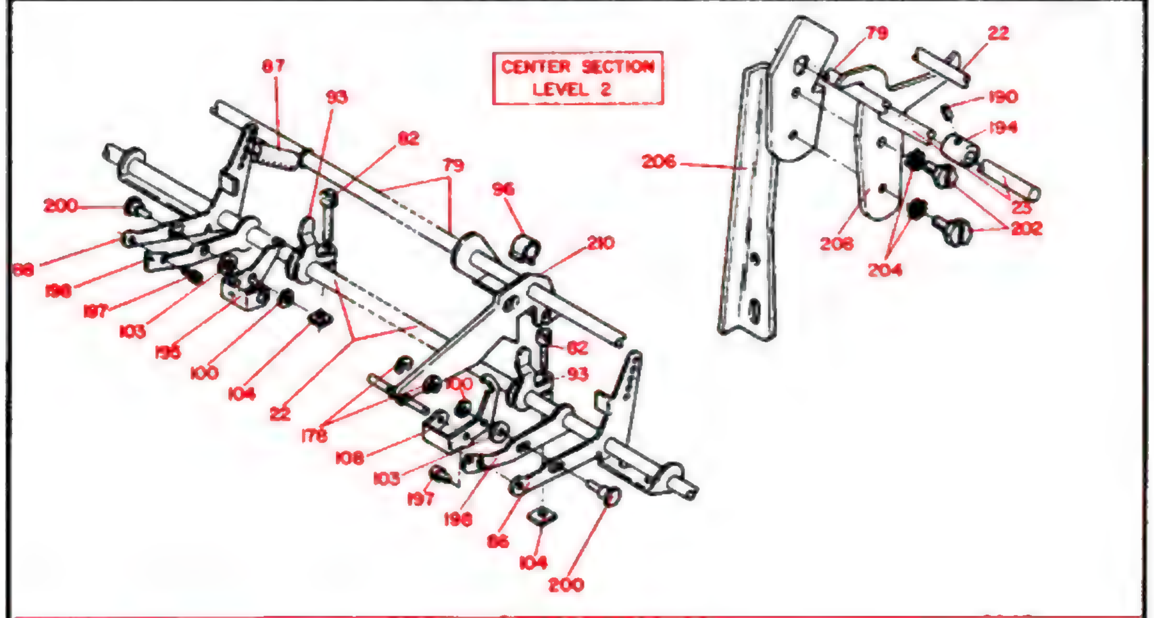
FOR PIN FEED SEE MECH 49

216-SEE CARD HOLDER CHART

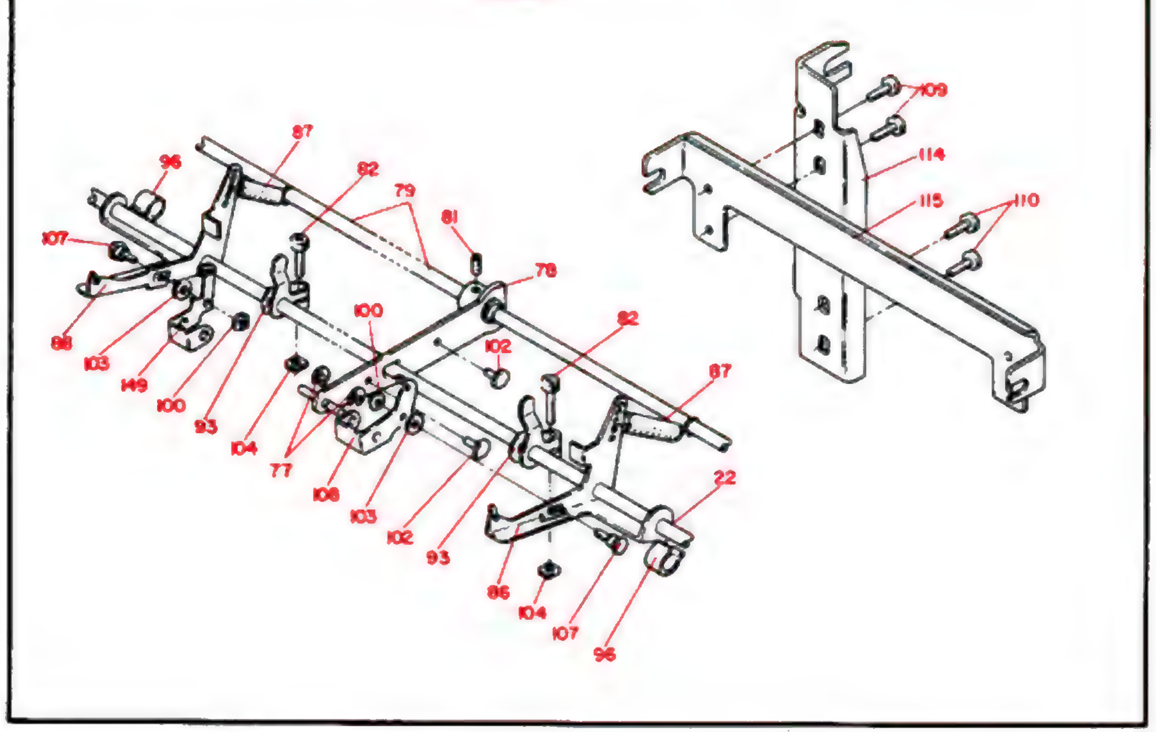
219-PAPER BAIL B/M
228-PAPER FEED ASM B/M

PAPER FEED
(TIE-ROD)

MECH. CODE
22

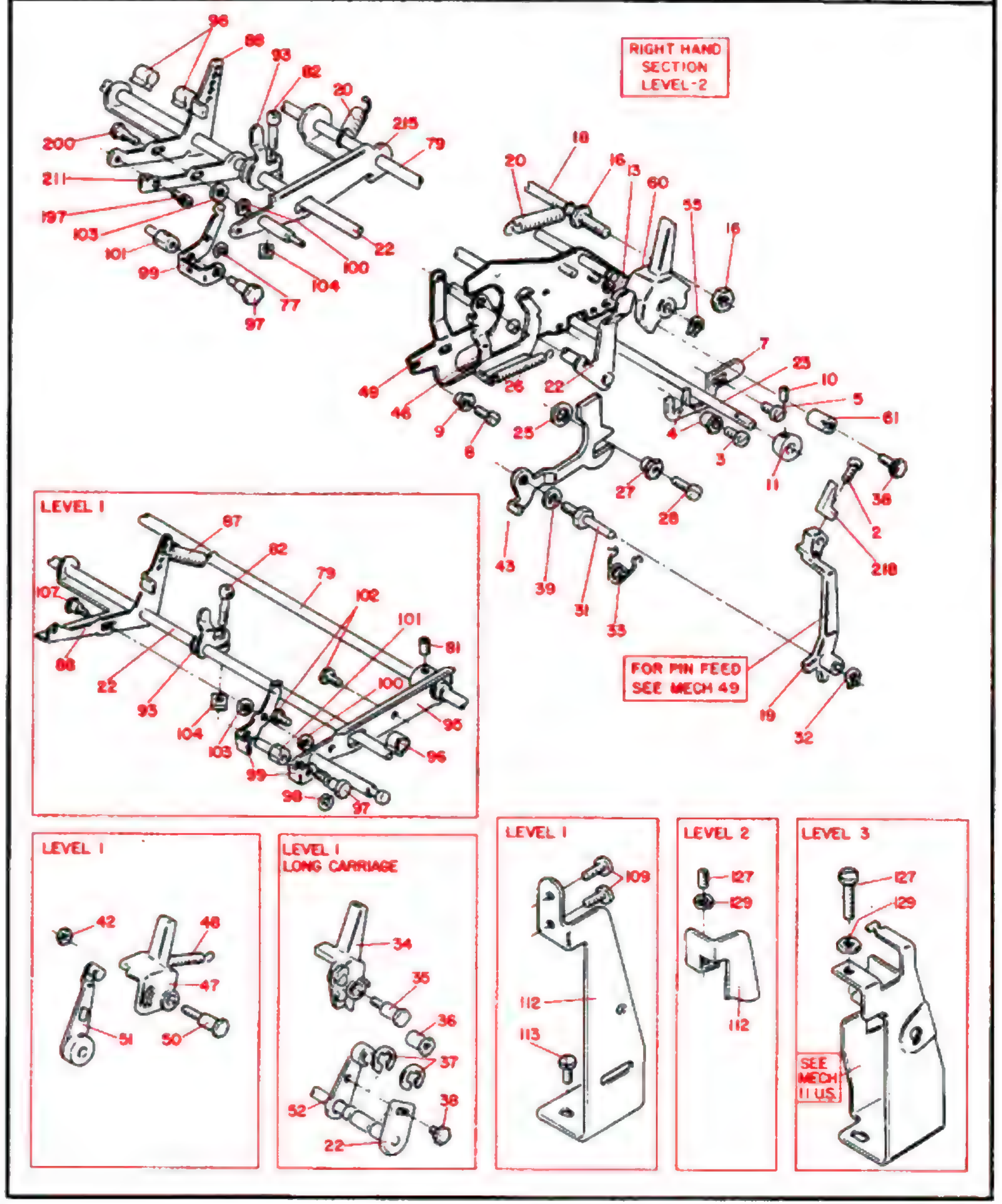


LEVEL I



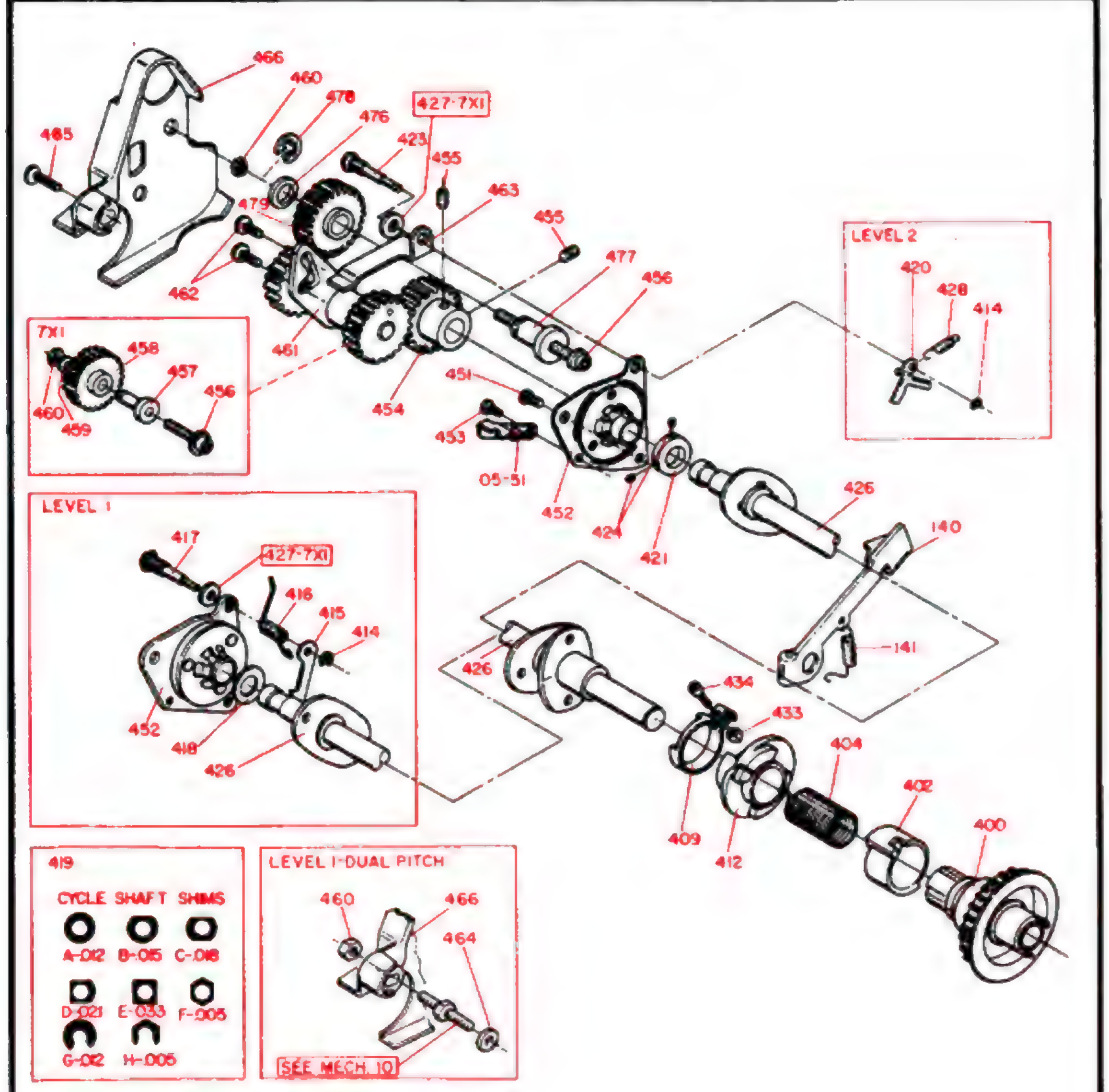
PAPER FEED
(TIE-ROD)

MECH. CODE
22



MECH. CODE
23

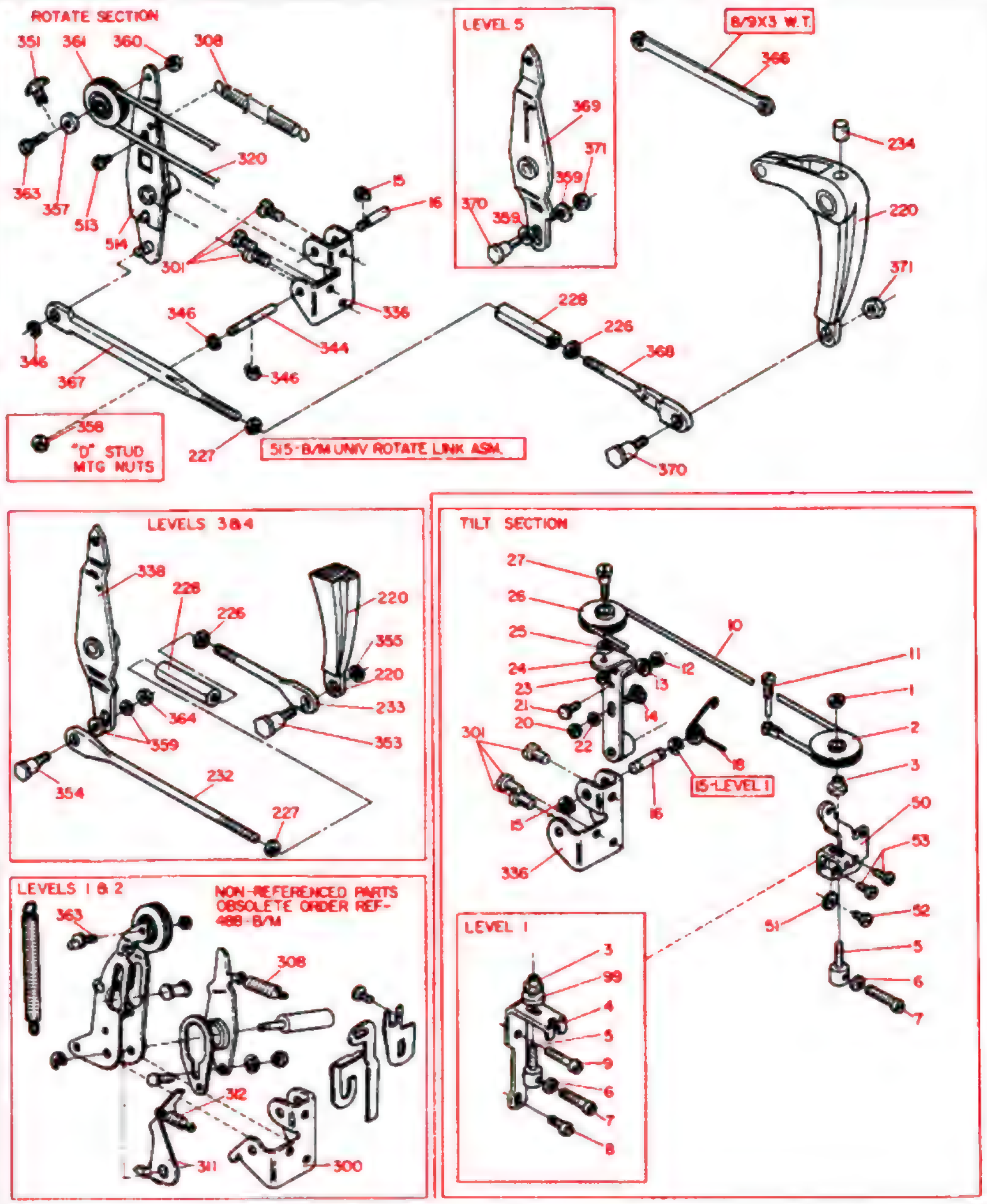
SELECTION



435- B/M CYCLE CLUTCH
437- B/M CYCLE SHAFT
470- B/M GEAR TRAIN
500- B/M CYCLE SHAFT L-2 WT

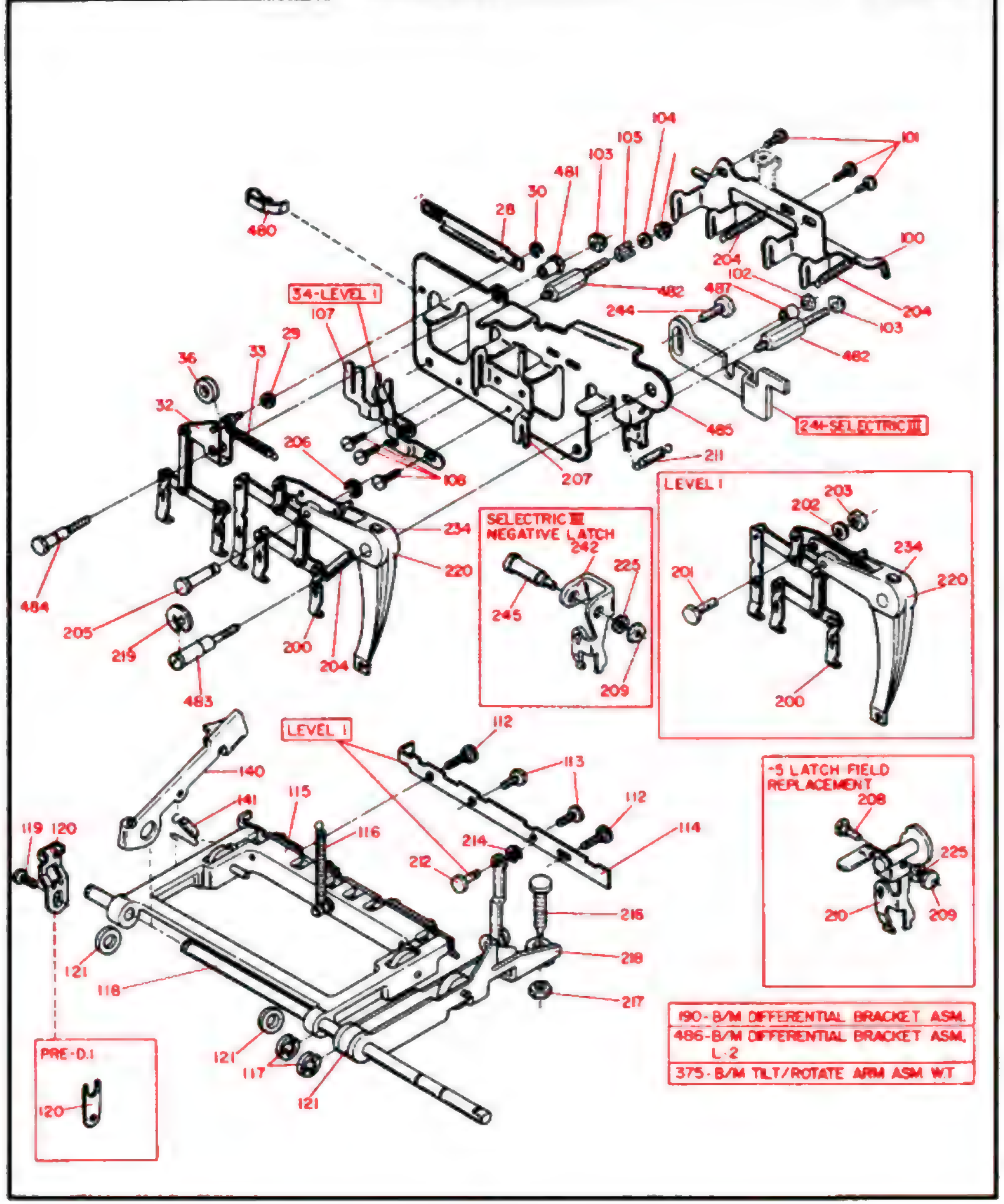
MECH. CODE
23

SELECTION



SELECTION

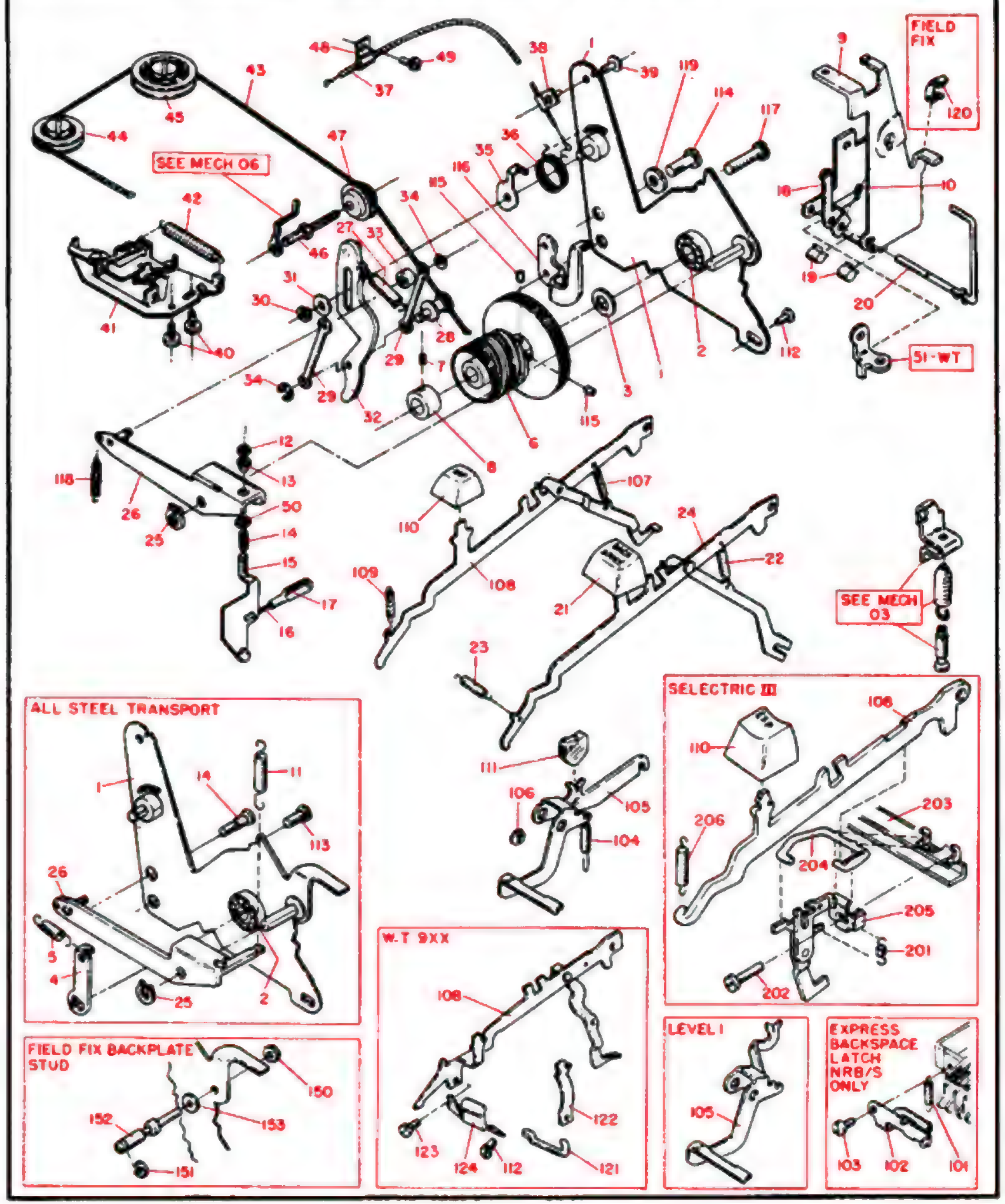
MECH. CODE
23



190-B/M DIFFERENTIAL BRACKET ASM.
486-B/M DIFFERENTIAL BRACKET ASM. L-2
375-B/M TILT/ROTATE ARM ASM W.T

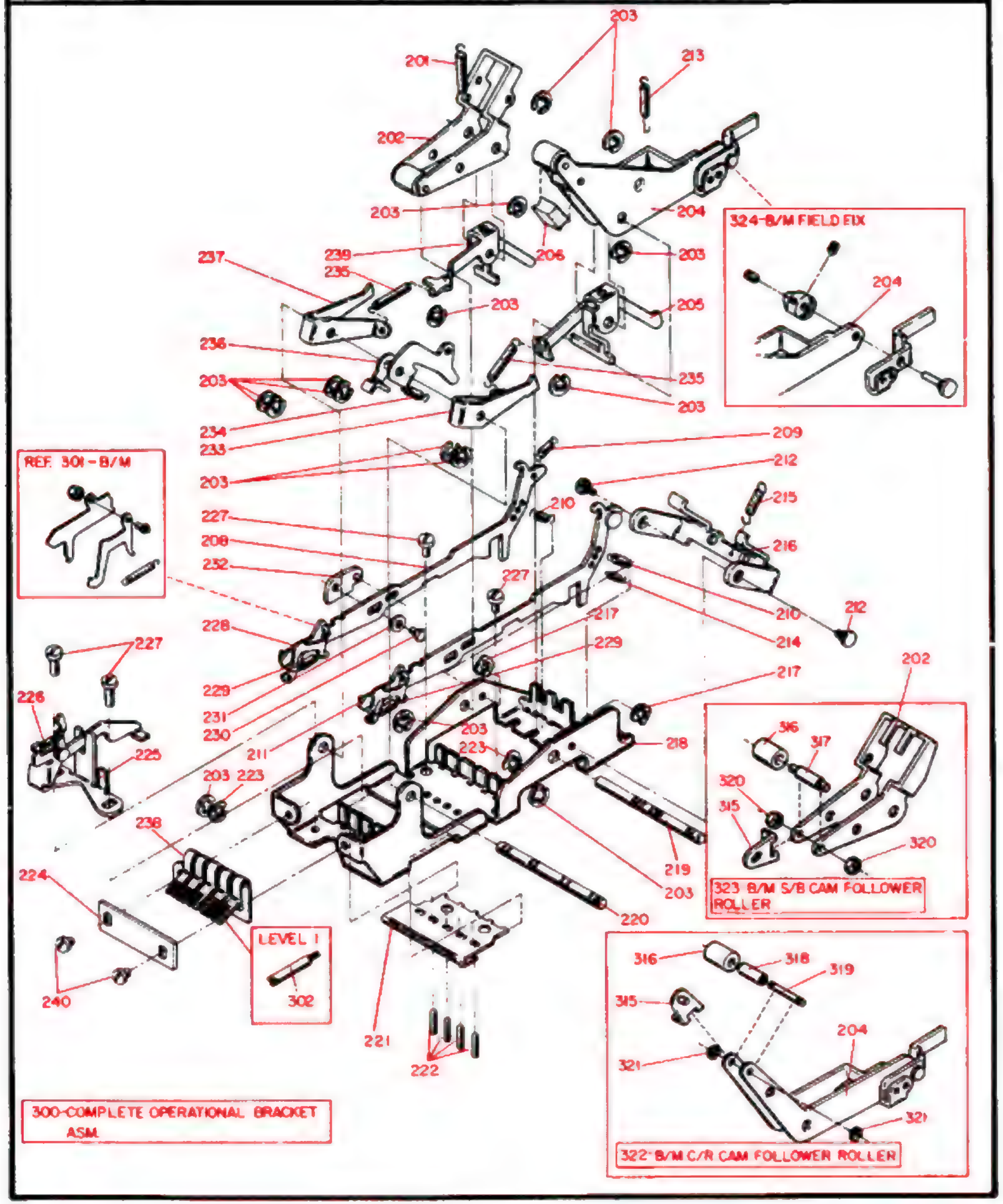
ROTARY BACKSPACE/EXP BACKSPACE

MECH. CODE
24



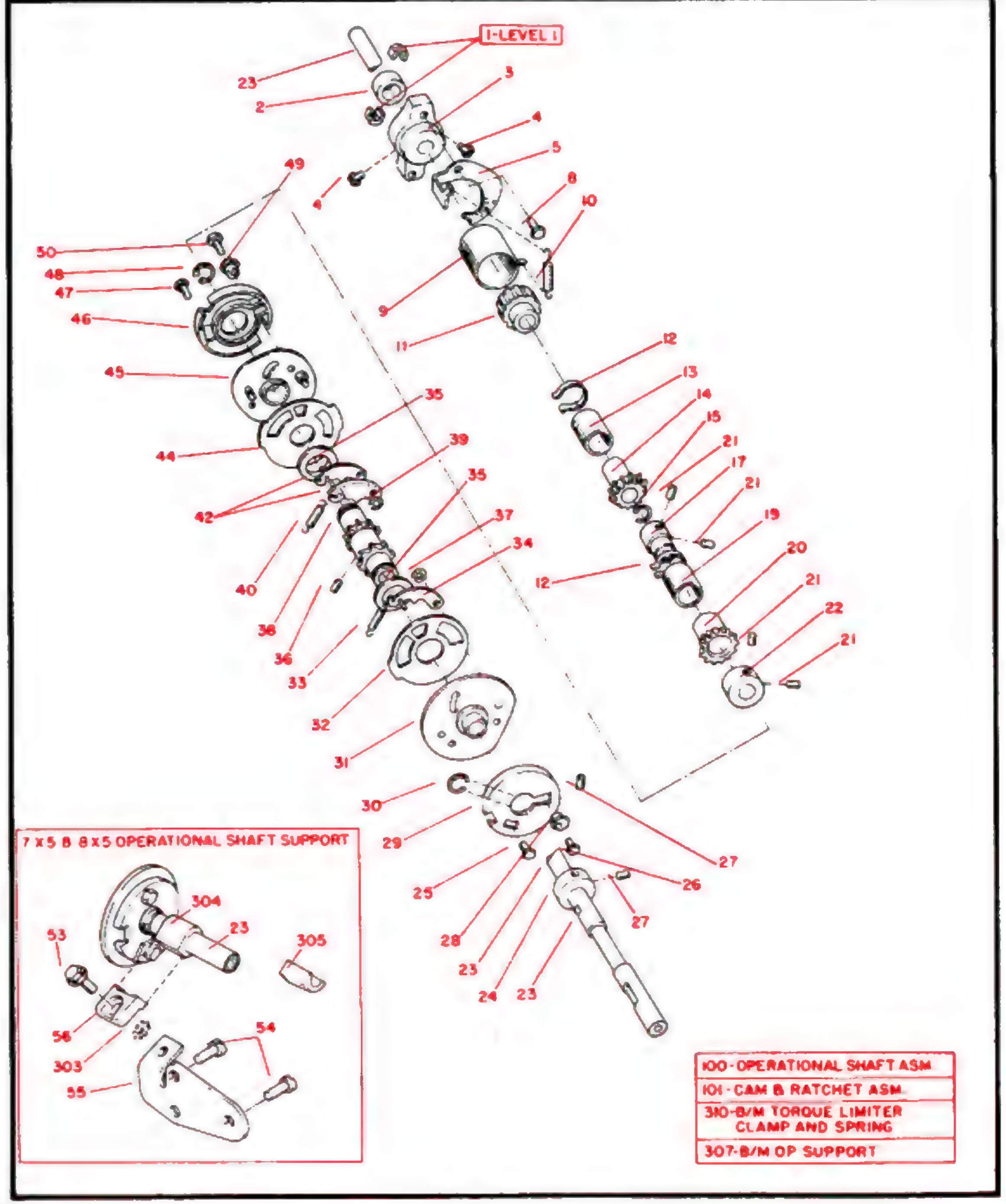
MECH. CODE
25

OPERATIONAL CONTROL



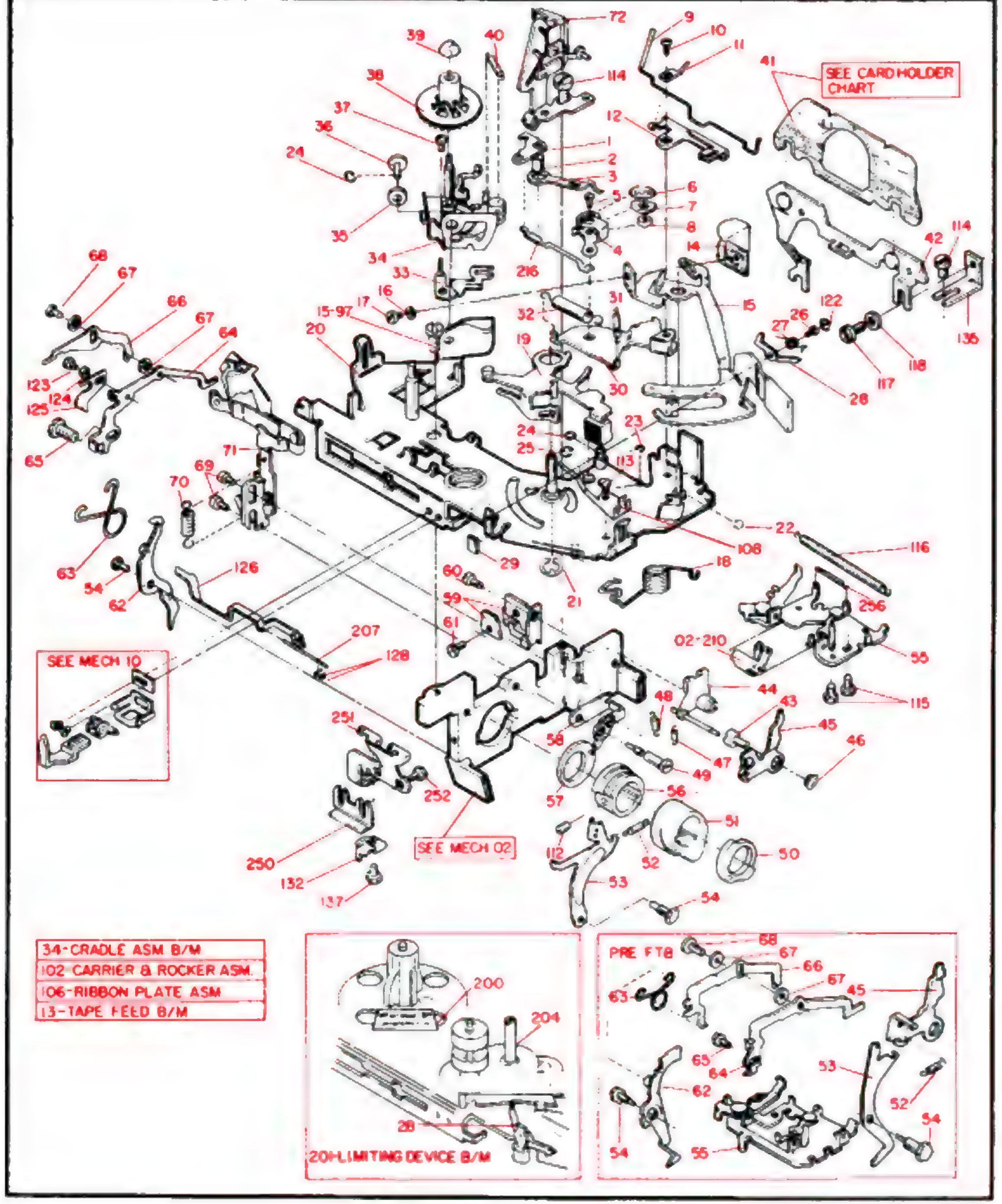
MECH. CODE
25

OPERATIONAL SHAFT ASSEMBLY



CORRECTING

MECH. CODE
26



SEE CARD HOLDER CHART

SEE MECH 10

SEE MECH 02

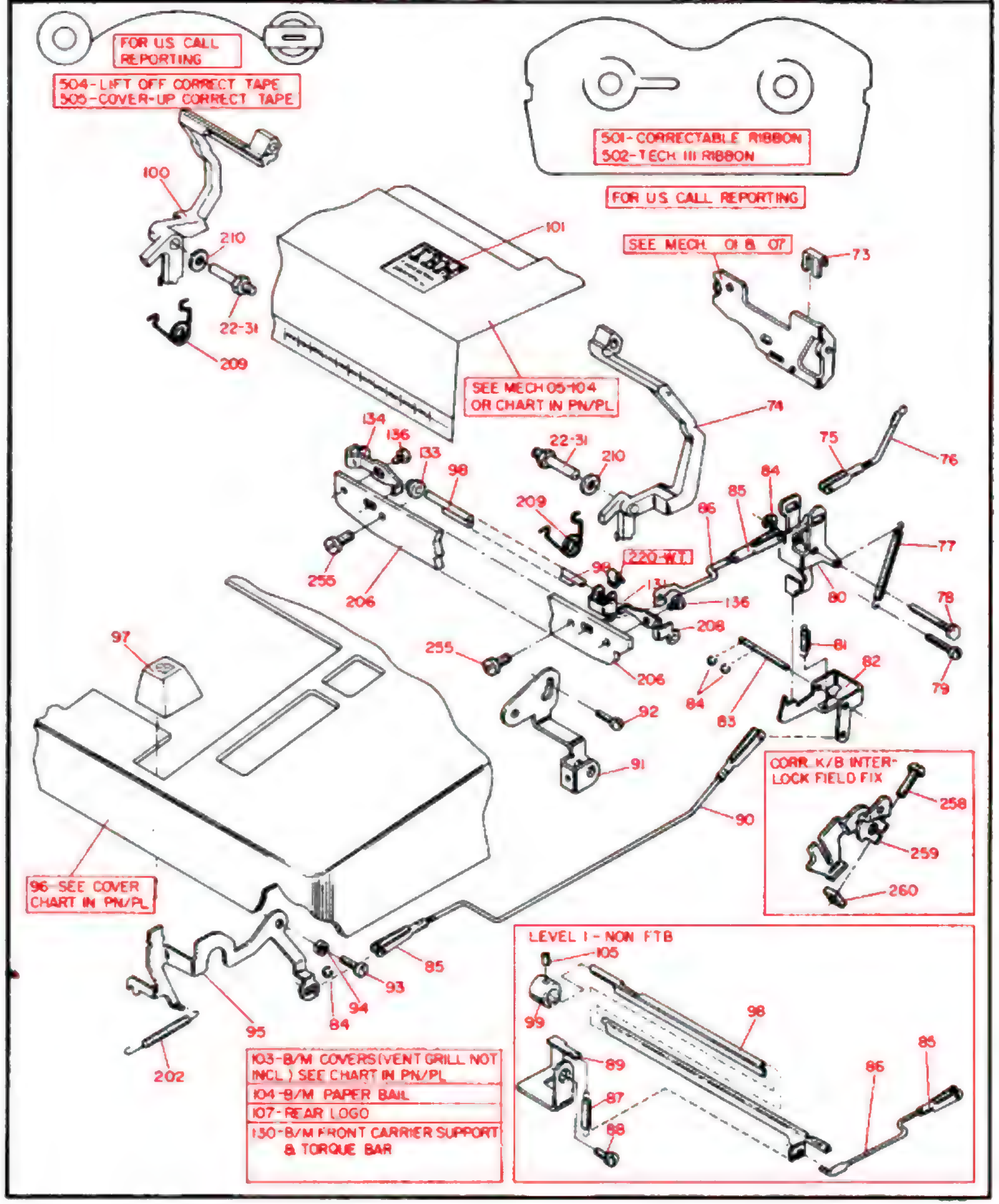
34-CRADLE ASM B/M
102-CARRIER & ROCKER ASM.
106-RIBBON PLATE ASM
13-TAPE FEED B/M

201-LIMITING DEVICE B/M

PRE FTB

CORRECTING

MECH. CODE
26



FOR US CALL REPORTING

504-LIFT OFF CORRECT TAPE
505-COVER-UP CORRECT TAPE

501-CORRECTABLE RIBBON
502-TECH III RIBBON

FOR US CALL REPORTING

SEE MECH 01 & 07

SEE MECH 05-104 OR CHART IN PN/PL

CORR. K/B INTER-LOCK FIELD FIX

96-SEE COVER CHART IN PN/PL

103-B/M COVERS (VENT GRILL NOT INCL.) SEE CHART IN PN/PL
104-B/M PAPER BAIL
107-REAR LOGO
130-B/M FRONT CARRIER SUPPORT & TORQUE BAR

LEVEL I - NON FTB

MECH. CODE
30

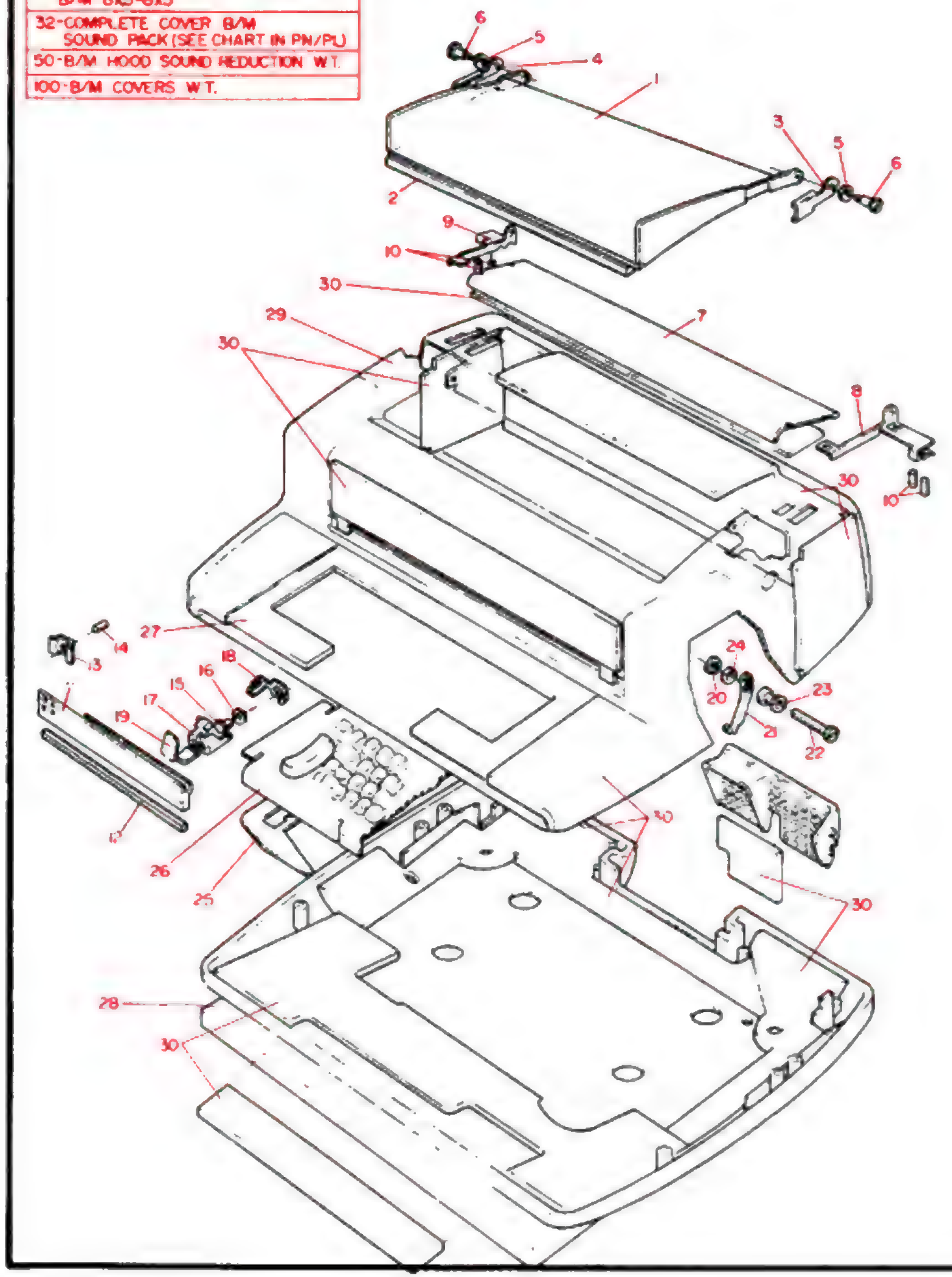
SOUND REDUCTION

31-FIELD INSTALL SOUND PACKAGE B/M 8x3-8x5

32-COMPLETE COVER B/M SOUND PACK (SEE CHART IN PN/PL)

50-B/M HOOD SOUND REDUCTION W.T.

100-B/M COVERS W.T.

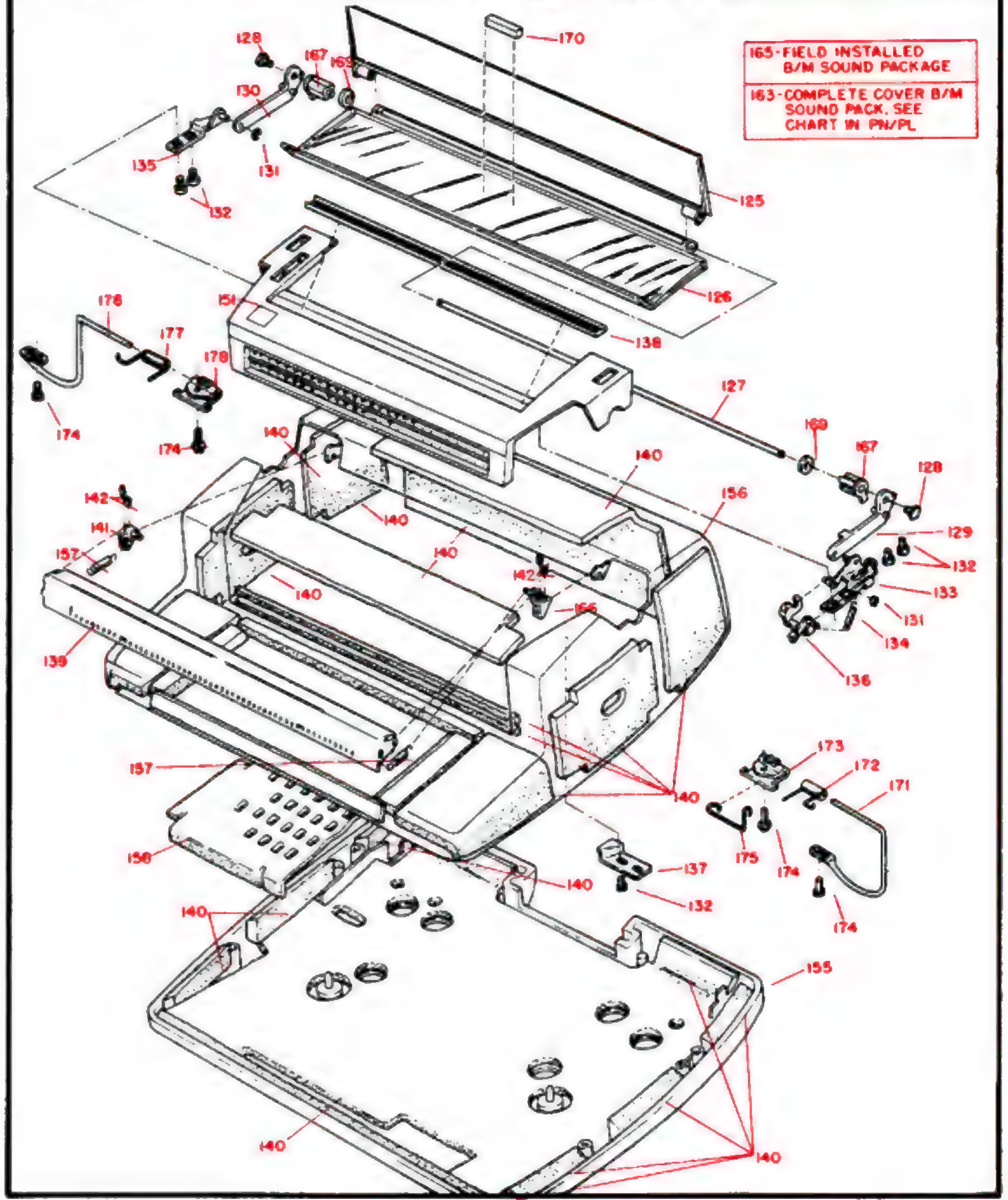


MECH. CODE
30

SOUND REDUCTION

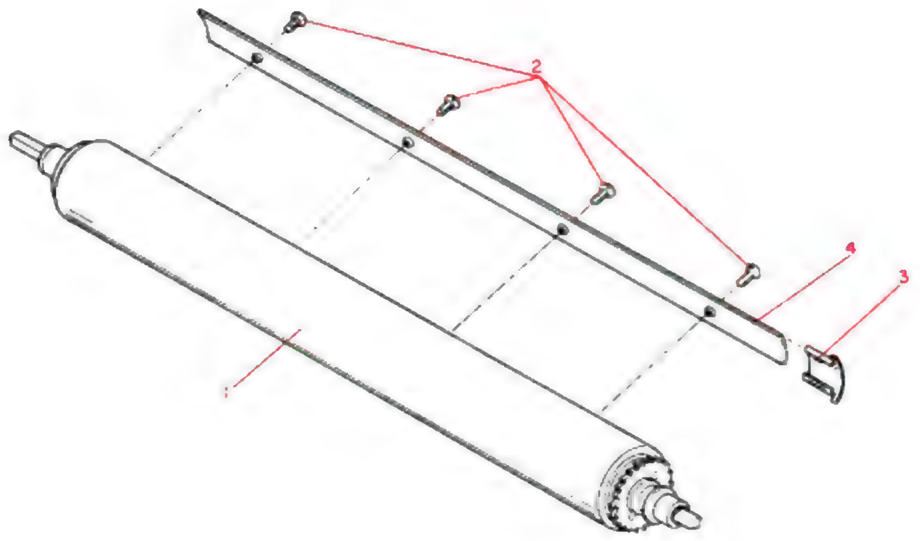
165-FIELD INSTALLED B/M SOUND PACKAGE

163-COMPLETE COVER B/M SOUND PACK. SEE CHART IN PN/PL



CARD HOLDING PLATEN

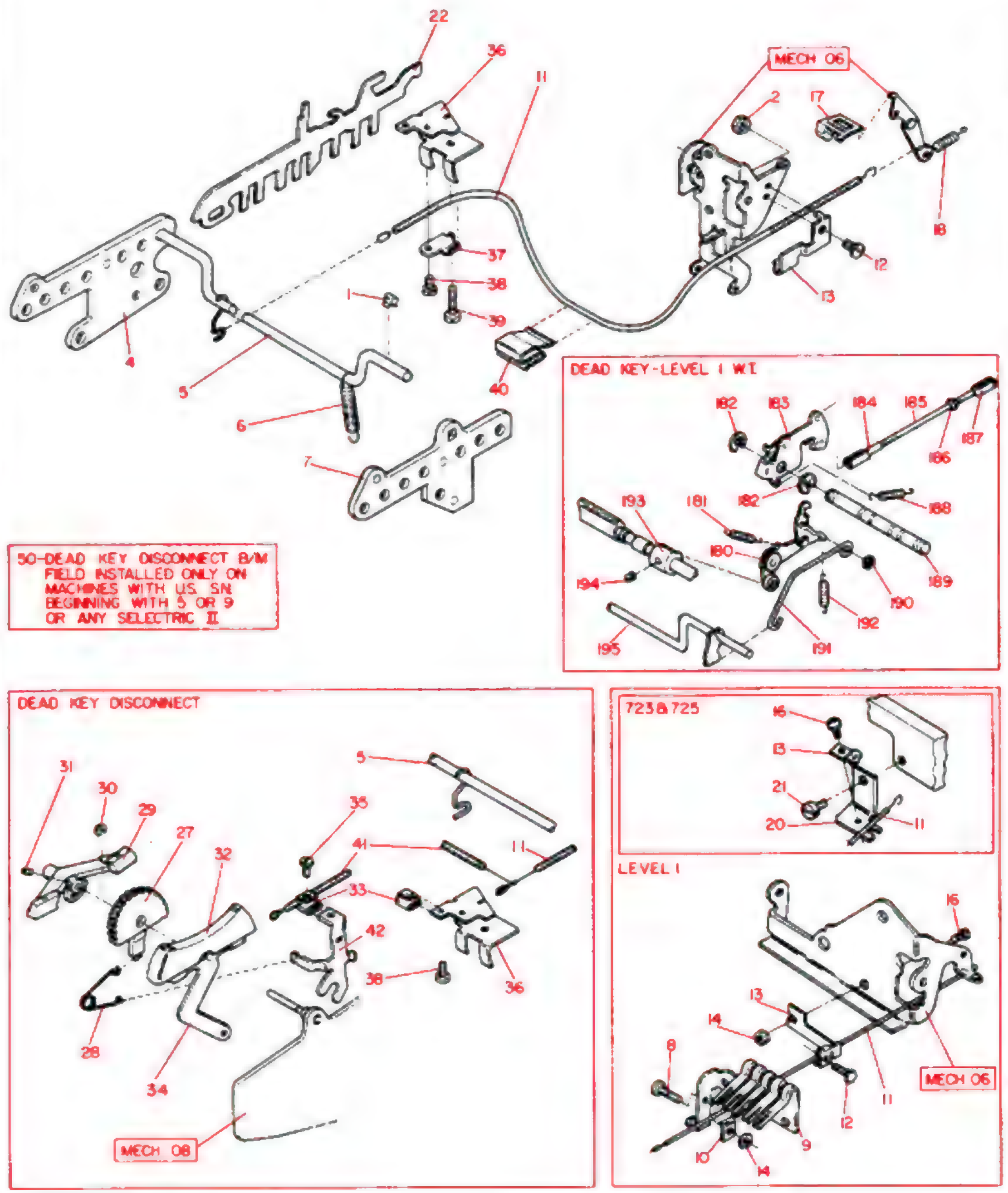
MECH. CODE
39



NOTE REFER TO STD. PLATEN FOR PARTS NOT REFERENCED

DEAD KEY

MECH. CODE
40

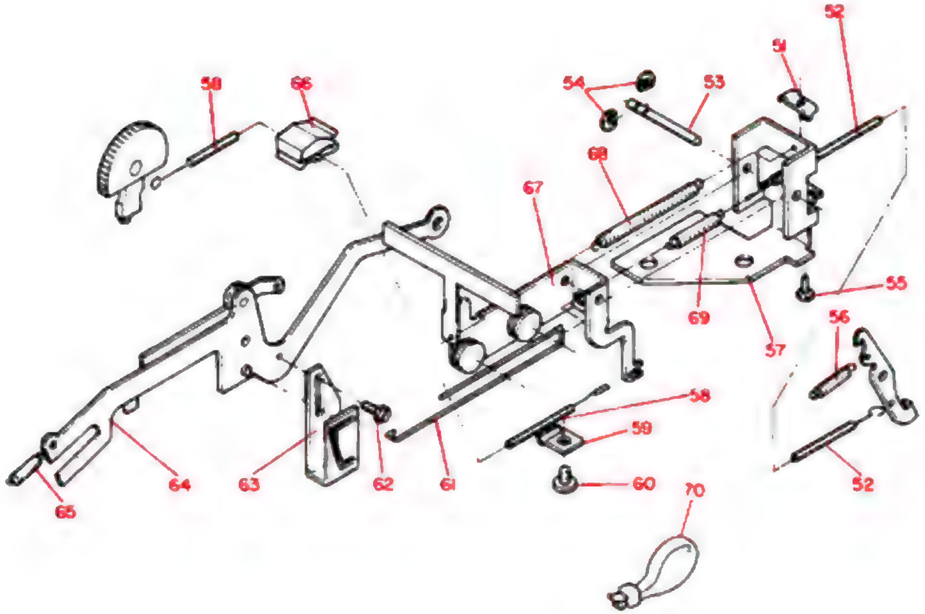


50-DEAD KEY DISCONNECT B/M FIELD INSTALLED ONLY ON MACHINES WITH U.S. S.N. BEGINNING WITH 5 OR 9 OR ANY SELECTRIC II

MECH. CODE
40

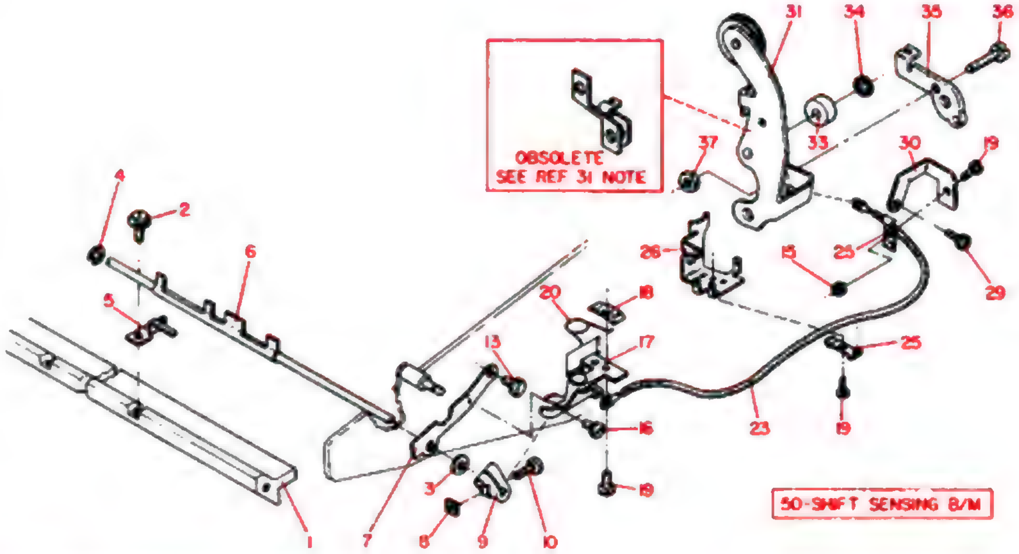
W.T. DEAD KEY
(THAILAND)

PARTS NOT SHOWN HERE ARE COMMON PARTS
AND ARE INCLUDED IN DEAD KEY DRAWING MECH. 40

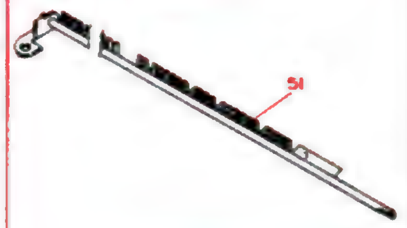


MECH. CODE
41

SHIFT SENSING

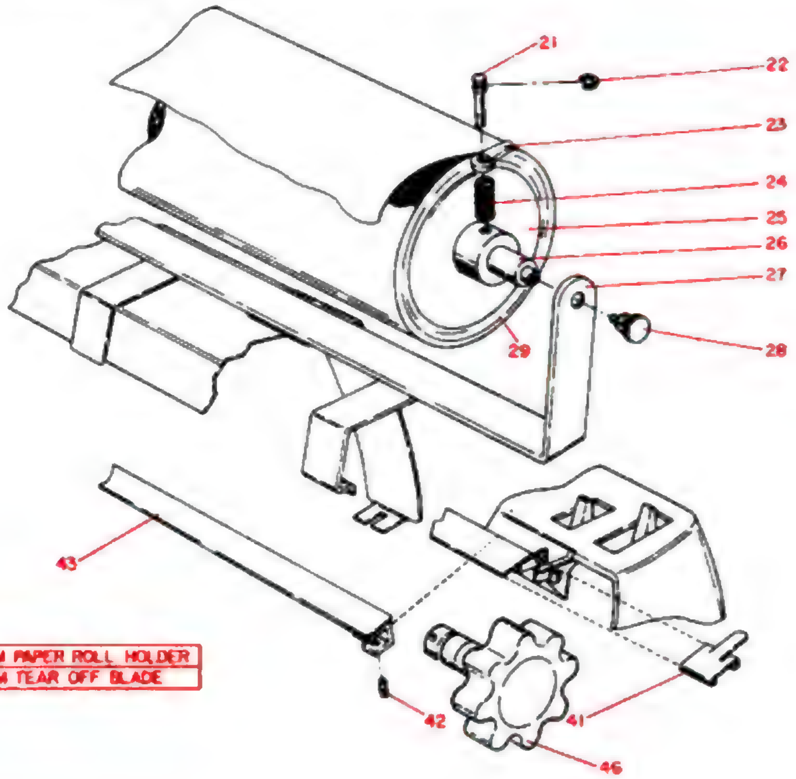


WORLD TRADE VELOCITY VANE

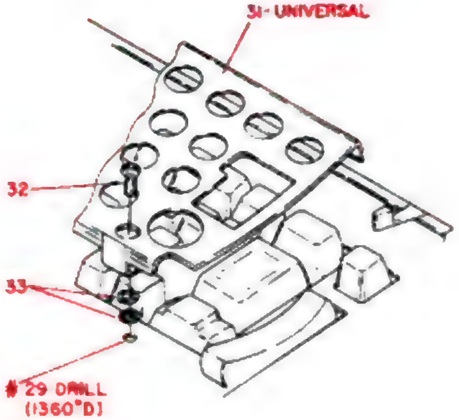


HANDICAPPED ATTACHMENTS

MECH. CODE
45



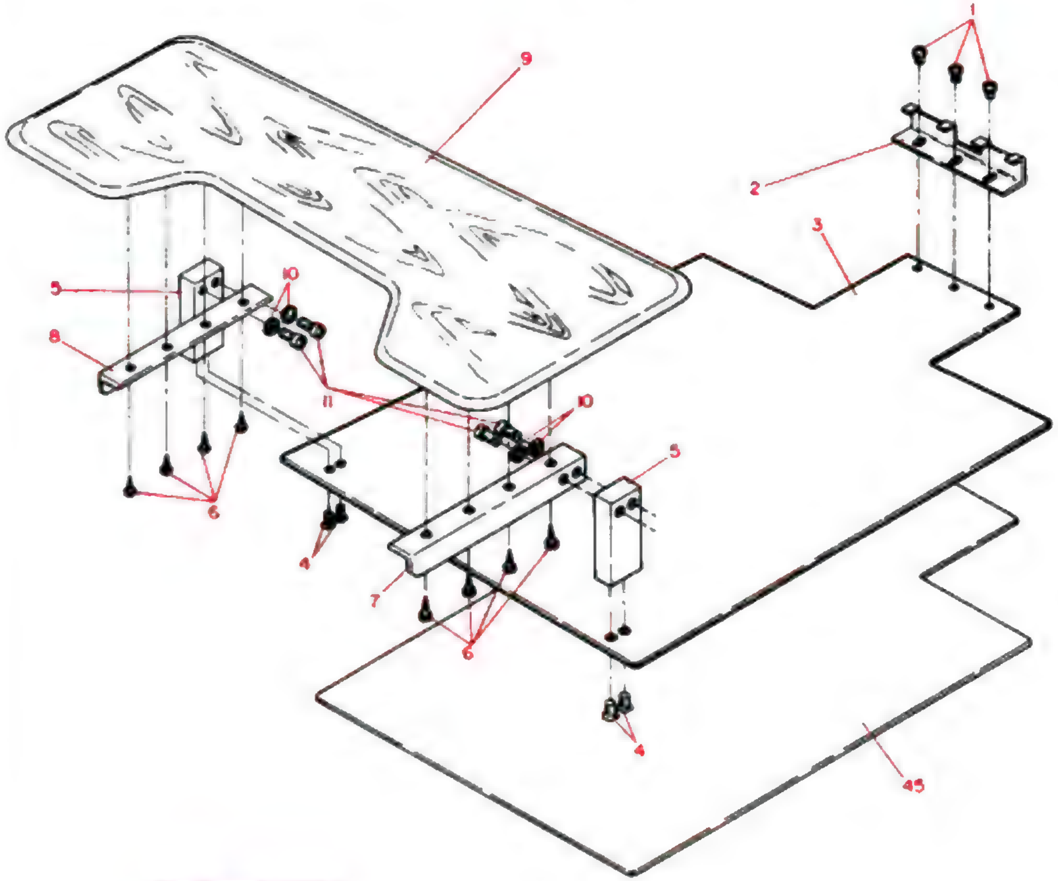
30-B/M PAPER ROLL HOLDER
44-B/M TEAR OFF BLADE



34-B/M KEYBOARD REST

HANDICAPPED ATTACHMENTS

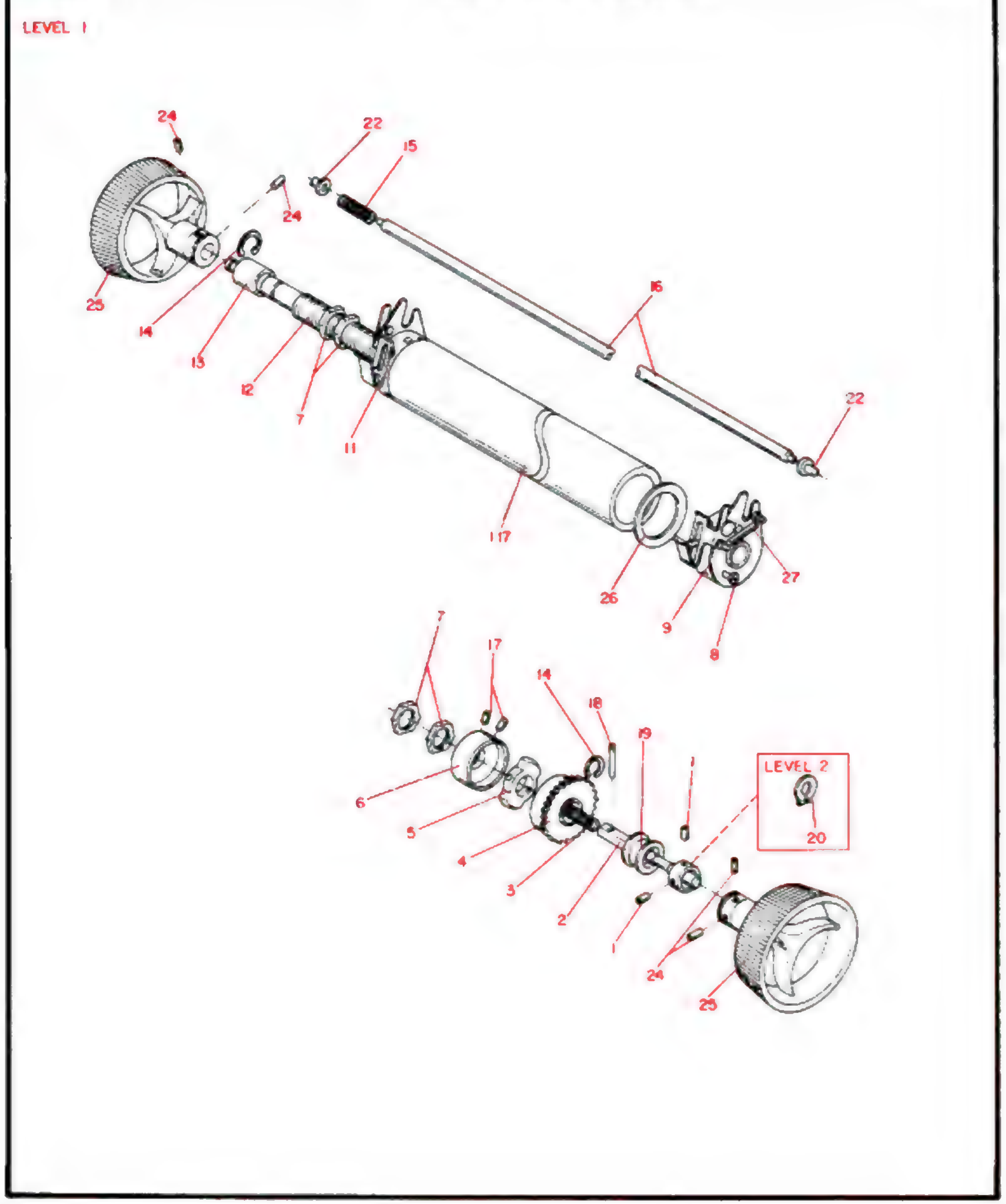
MECH. CODE
45



12-B/M ARM REST

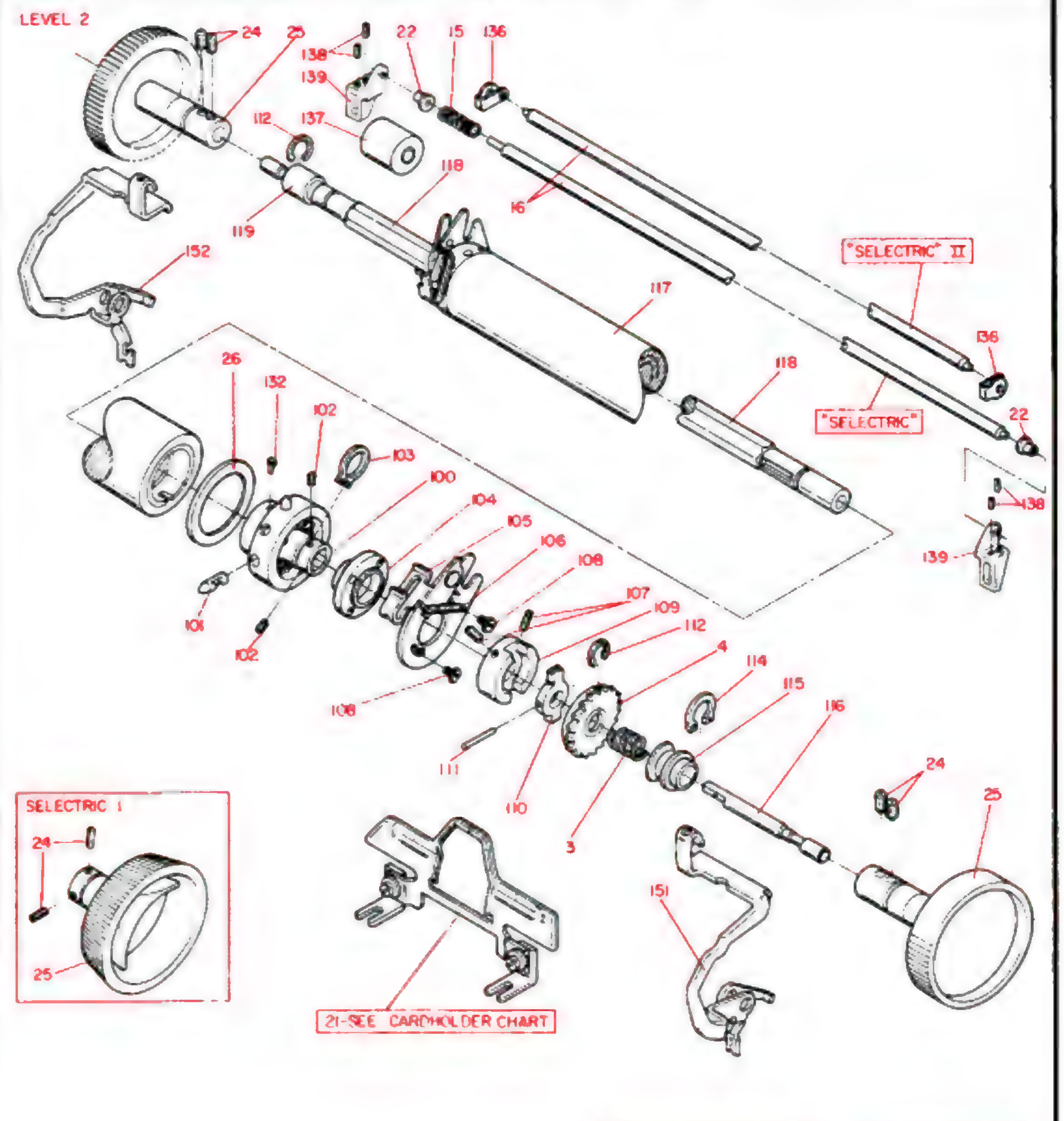
MECH. CODE
49

PIN FEED PLATEN



MECH. CODE
49

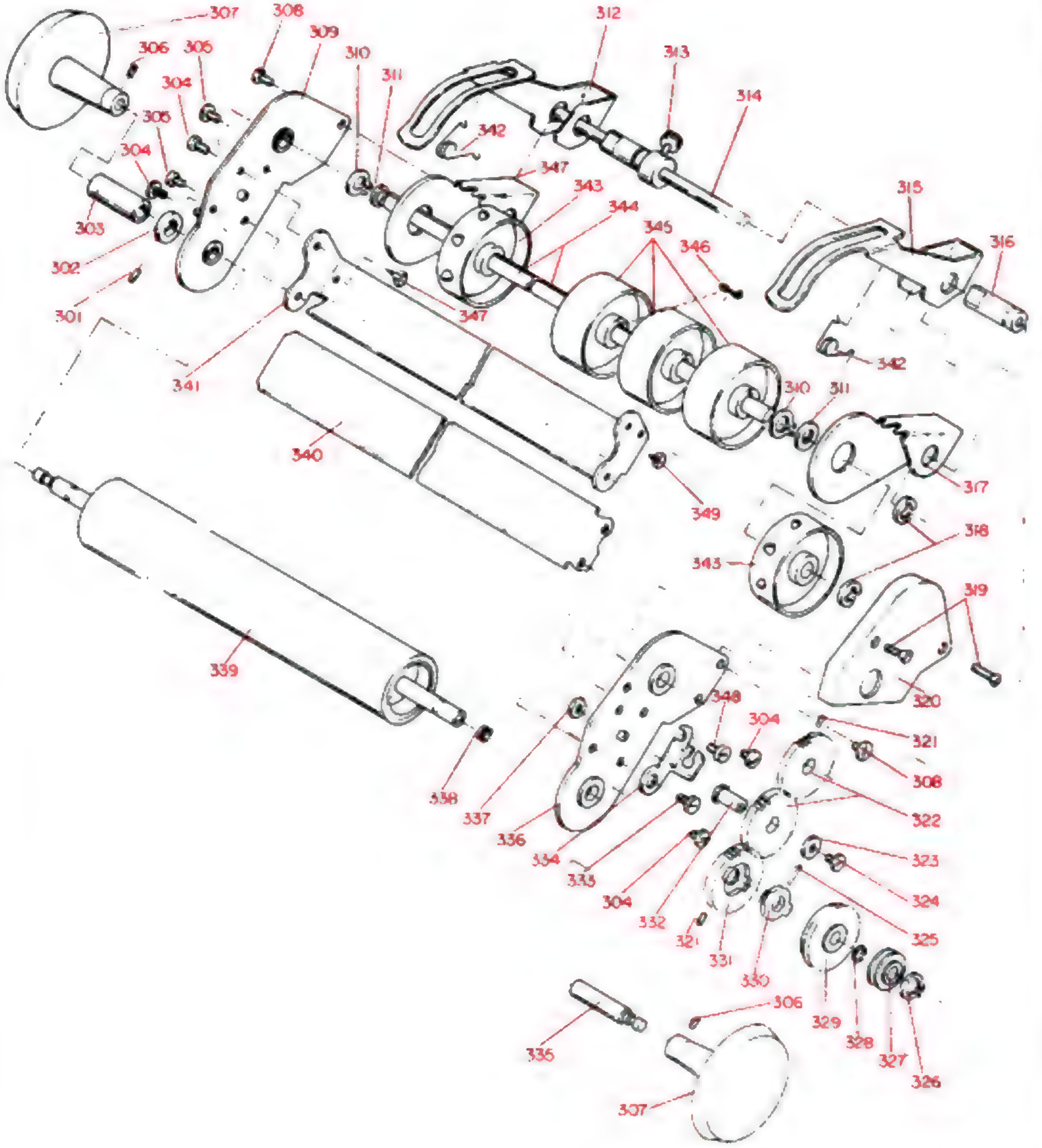
PIN FEED PLATEN



150-WT B/M PAPER BAIL
117-SPECIAL LENGTH CORES
130-PINWHEEL ASSEMBLIES
131-PINFEED PLATEN B/M'S-ORDER CORE, KNOBS, CARD HOLDER AND BRACKET

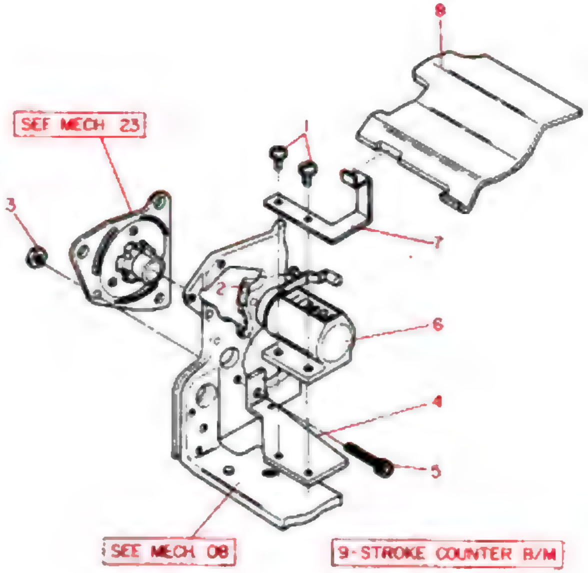
W. T. OVERHEAD PIN FEED PLATEN

MECH. CODE
49



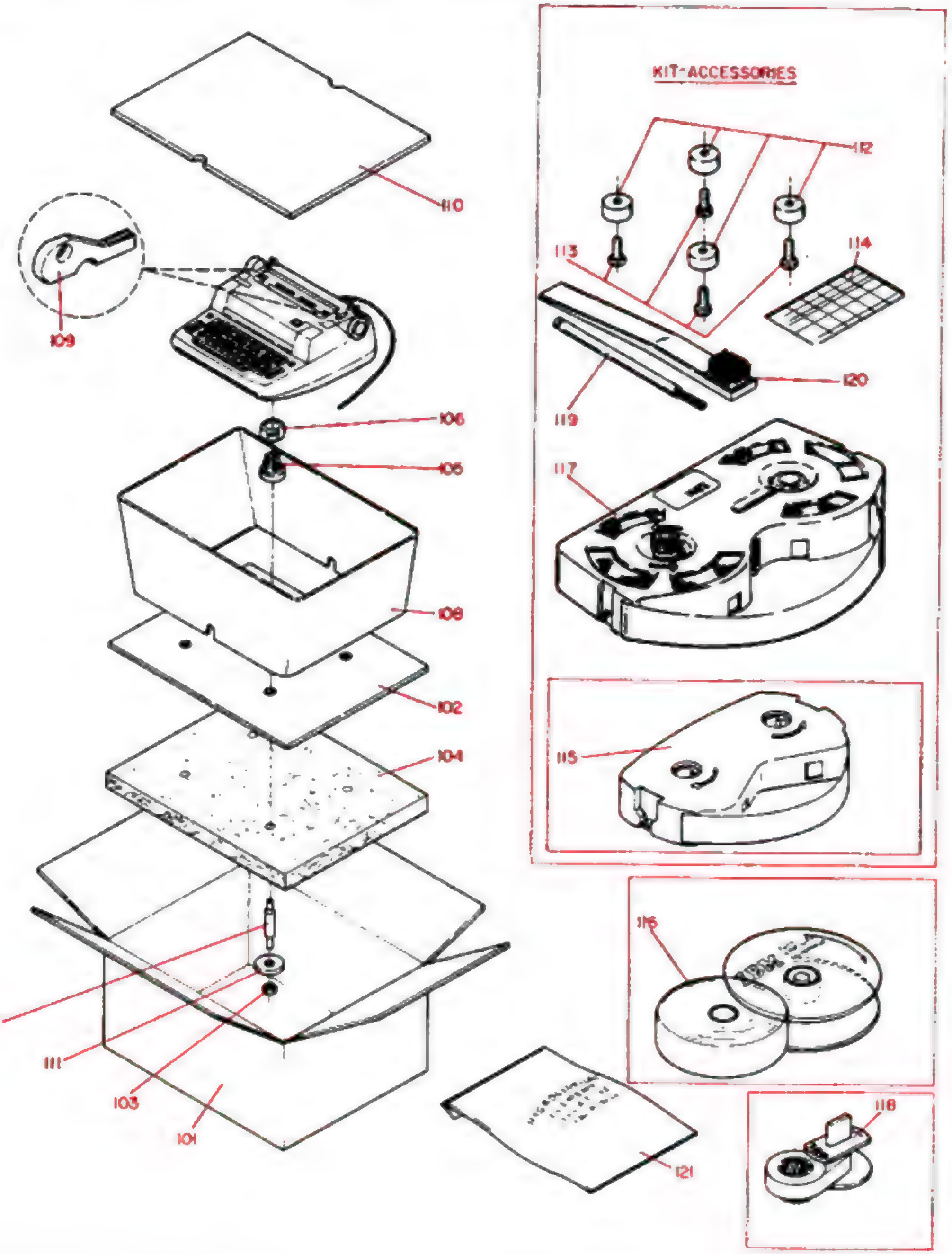
STROKE COUNTER

MECH. CODE
51



MECH. CODE
65

W.T. PACKING PARTS



W.T. PACKING INSTRUCTIONS

WORLD TRADE PACKING INSTRUCTIONS

1. Position the carrier against the left-hand side frame of the machine.
2. Put the machine in upper case and trip position No. 3 keylever.
3. Fit the two platen detent packing pieces (Ref. 109) in position. (See figure.)
4. Attach tape to the top cover. (See figure.) Use P/N 7340090 or similar quality tape. On sound hood machines, tape from front of acoustical hood to center cover.
5. Tilt the machine on its back cover and place grommets (Ref. 106) into the bottom cover.
6. Fit the mounting studs (Ref. 107) in the bottom of the power frame; five studs in 7X1, seven studs in 7X3/7X5, and four studs in 8XX machines.
7. Put a plastic spacer (Ref. 105) on each mounting stud.
8. Place the pallet (Ref. 102) over the mounting studs (8XX/9XX only).
9. Place hair pad (Ref. 104) over the mounting studs.
10. Fit a washer (Ref. 111) on each mounting stud.
11. Tighten a nut (Ref. 103) on each mounting stud.
12. Place the machine and hair pad into the typewriter box.
13. Place the linecord to the rear of the box.
14. Assemble the liner (Ref. 108) and position it around the machine.
15. Put accessory bag (Ref. 121) between the liner and the inside of the box.
16. Place cover plate (Ref. 110) on top of the liner and close the box.
17. Seal the lid with heavy-duty packing tape.

APPROXIMATE WEIGHT OF MACHINE/PACKING

Model		Model	Selective	Fabric
7X1	14.5 kg	8X3	16.5 kg	16.25 kg
7X3	16.5 kg	8X5	17.5 kg	17.25 kg
7X5	17.5 kg	8Y3	16.75 kg	16.25 kg
		8Y5	17.75 kg	16.25 kg
Packing	6.0 kg	Packing	6.75 kg	

Approximate Inside Size Of Box

Length	780 mm
Width	540 mm
Height	320 mm

W.T. PACKING INSTRUCTIONS

WORLD TRADE UNPACKING INSTRUCTIONS

1. Open the top of the box and remove the cover plate (Ref. 110).
2. Remove the liner (Ref. 108).
3. Lift the machine and hair pad (Ref. 104) out of the box.
4. Tilt the machine and hair pad so it rests on the back cover.
5. Remove the packing nuts (Ref. 103) and washers (Ref. 111).
6. Remove the hair pad (Ref. 104), washers (Ref. 111), and pallet (Ref. 102).
7. Remove plastic spacers (Ref. 105), mounting studs (Ref. 107), and grommets (Ref. 106).
8. Install the three nylon desk feet (Ref. 112) with screws (Ref. 113) from the accessory bag (Ref. 121).
9. Place the machine in operating position and remove tape from the top cover and carrier.
10. Remove the platen detent packing pieces (Ref. 109).
11. The machine is now ready for the preinstallation check.

BOLT DOWN INSTRUCTIONS

BOLT DOWN INSTRUCTIONS – DROP CENTER DESKS

1. Install four mounting feet – P/N 1128485 for "Selectric" Typewriters or P/N 1205981 for "Selectric" II and III Typewriters or Correcting "Selectric" II and III Typewriters – to power frame.
2. Place a small amount of grease on the feet just around the outside of the threaded holes.
3. Set typewriter down in the correct position on the desk. Lift typewriter off the desk. The position of the holes to be made can now easily be seen.
4. Use a drill to make four holes and bolt machine to desk. See C-D Catalog, Code 204, Ref. 67 for mounting bolts.
5. CAUTION: The two front bolts must have some clearance between the bolt heads and the desk bottom. They must not pull down on the feet or the power frame may twist. The two rear feet may be tightened.

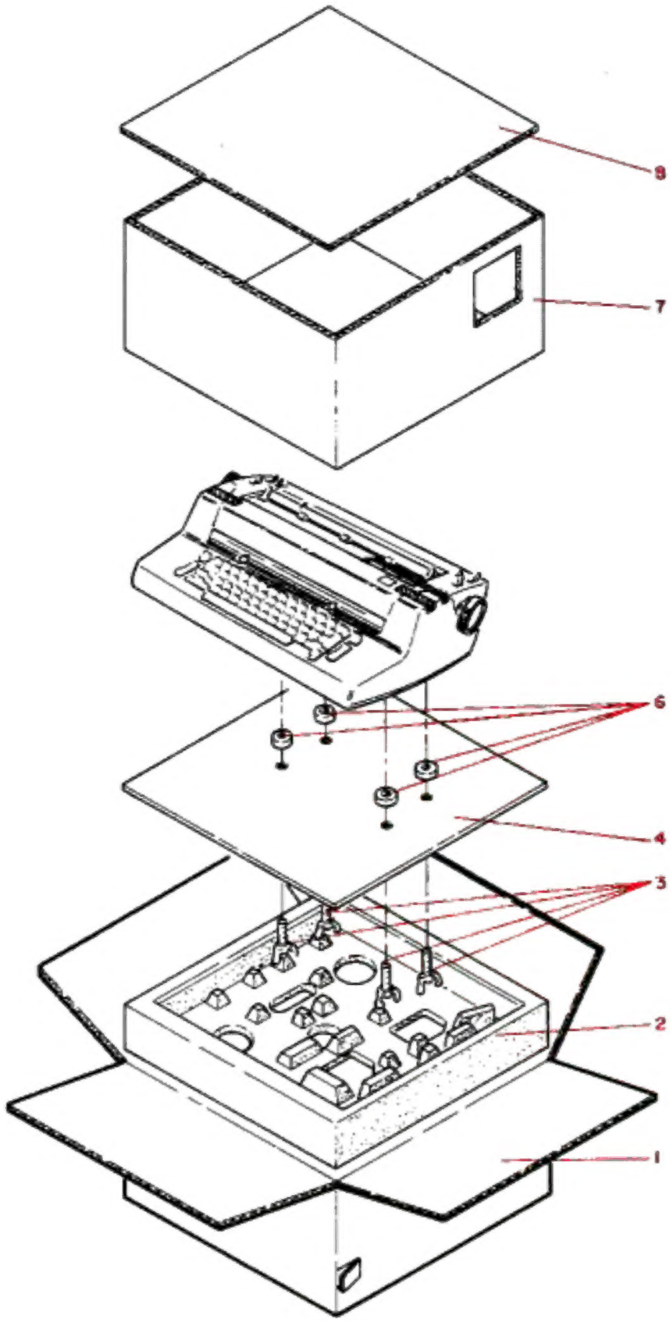
COVER BOLT DOWN

1. Remove machine from covers.
2. Place bottom cover in correct position on desk.
3. With a cover adapter in each of the two center holes of the bottom cover, mark where to drill the hole. On the "Selectric" II Typewriter, use spacer between adapter and bottom cover.
4. Use proper length of bolt and fasten the bottom cover to the desk. To find out which bolt to use, add 1/2" (12.70 mm) to the thickness of the desk.

CAUTION: Bolting a machine down by other than these procedures can cause an electrical safety hazard or machine failure. An excessively long bolt could interfere with the motor windings or other inner mechanisms of the machine.

MECH. CODE
65

U.S. PACKING PARTS



U.S. PACKING INSTRUCTIONS

PACKING INSTRUCTIONS

1. Position the carrier all the way to the right, latch out tab and attach Minnesota Mining Y-9035 or similar tape as shown in Mech. 765.
2. Place Minnesota Mining Y-9035 or similar tape on top cover as shown.
3. Place four rubber grommets under the bottom of the typewriter case as shown.
4. Use wing nut screws to mount the pallet to the machine.
5. Place hair pad in bottom of the box and insert machine.
6. Place liner around the machine and place cord to the back of the liner with Minnesota Mining Y-9035 or similar tape.
7. Insert chipboard tray as shown and seal the carton with tape.

CAUTION: Do not excessively tighten the front right-hand wing nut screw.

UNPACKING INSTRUCTIONS

1. Open carton by pulling tear tape completely around four sides. Remove top part of the box. Remove top cardboard chipboard tray. Lift out liner by moving the sides away from the platen knobs and lift machine out of the tray.
2. Tilt machine and pallet so the machine rests on the back cover.
3. Remove the four thumb screws. These can normally be turned by hand, but, if necessary, use a pencil as an additional lever.
4. Remove pallet board and plastic spacers.
5. Remove rubber grommets from the five mounting holes in the machine bottom cover (seven on the 7X5 and 8X5).
6. Install the four nylon spacers found in the plastic accessory bag into four of the mounting holes from which the thumb screws were removed.
7. Set the machine down and remove the tape, holding the top cover and the type carrier.
8. The machine is now ready for preinstallation checkout.

APPROXIMATE MACHINE AND CARTON WEIGHT AND SIZE

7X1 – Size 14" (355.6 mm) Deep, 15" (381.0 mm) Wide
7X5, 8X5 – Size 14" (355.6 mm) Deep, 20" (508.0 mm) Wide

Model 7X1	32 lbs.	(14.5 kg)
Models 7X3, 8X3	35 lbs.	(16.5 kg)
Models 7X5, 8X5	37 lbs.	(17.5 kg)
Carton 7X1	10 lbs.	(4.5 kg)
Cartons 7X5, 8X5, 670X	14 lbs.	(6.35 kg)

CAUSE OF FAILURE	CODE
Beat The Operation	24
Bent/Warped	01
Binding/Sticking	02
Broken/Cracked	03
Burned/Pitted/Burred	04
Card/Tape Jam	05
Dirty/Corroded	06
Flicking	25
Loose/Solder Connector	07
Low Contrast	28
Lubrication	08
Noise (Electrical)	27
Noise (Mechanical)	09
No Trouble Found	19
ON/OFF Registration	10
Open	11
Operator Error	26
Operator Preference*	22
Other	20
Out Of Adjustment	12
Out Of Alignment	13
Shorted/Grounded	14
Sound Distortion	23
Standby	21
Stripped	15
Wiring Defects	16
Weak	17
Worn	18

**Operator Preference — Adjustment due to operator opinion which is not a malfunction of the machine.*

MACHINE IDENTIFICATION CODES

"SELECTRIC" TYPEWRITER – PRODUCT CODE 21

1st Digit – 7

2nd Digit – 1 – Film Ribbon
2 – Fabric Ribbon

3rd Digit – 1 – 8-1/2" writing line
3 – 11-1/2" writing line
5 – 13" writing line

"SELECTRIC" II AND CORRECTING "SELECTRIC" II TYPEWRITERS – PRODUCT CODE 26

1st Digit – 8

2nd Digit – 3 – Single Pitch Selective Ribbon
4 – Single Pitch Fabric Ribbon
5 – Single Pitch Correcting "Selectric" Typewriter
7 – Dual Pitch Selective Ribbon
8 – Dual Pitch Fabric Ribbon
9 – Dual Pitch Correcting "Selectric" Typewriter

3rd Digit – 3 – 11" writing line
5 – 13" writing line

"SELECTRIC" III AND CORRECTING "SELECTRIC" III TYPEWRITERS – PRODUCT CODE 27

MACHINE TYPE	MODEL CODE
13.5" Single Pitch Fabric	.6701
13.5" Single Pitch Non-Correcting	.6702
15.5" Single Pitch Correcting	.6703
13.5" Dual Pitch Correcting	.6704
15.5" Dual Pitch Correcting	.6705

96-CHARACTER "SELECTRIC" TYPEWRITER

1st Digit – 9

2nd Digit – 6 – Single Pitch Selective Ribbon
4 – Single Pitch Fabric Ribbon
5 – Single Pitch Correcting "Selectric" Typewriter
1 – Dual Pitch Selective Ribbon
2 – Dual Pitch Fabric Ribbon
9 – Dual Pitch Correcting "Selectric" Typewriter

3rd Digit – 3 – 11" writing line
5 – 13" writing line

International Business Machines Corporation
Office Products Division
Customer Engineering

IBM "Selectric" Typewriter Adjustment Parts Manual
S241-5939-2

S241-5939-2

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